COMPACT AUDIO SYSTEM

RX-29/39/49/59

SERVICE MANUAL

(M-29/49/383LD/686M)

KENWOOD

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B51-5103-00 (K) 2241

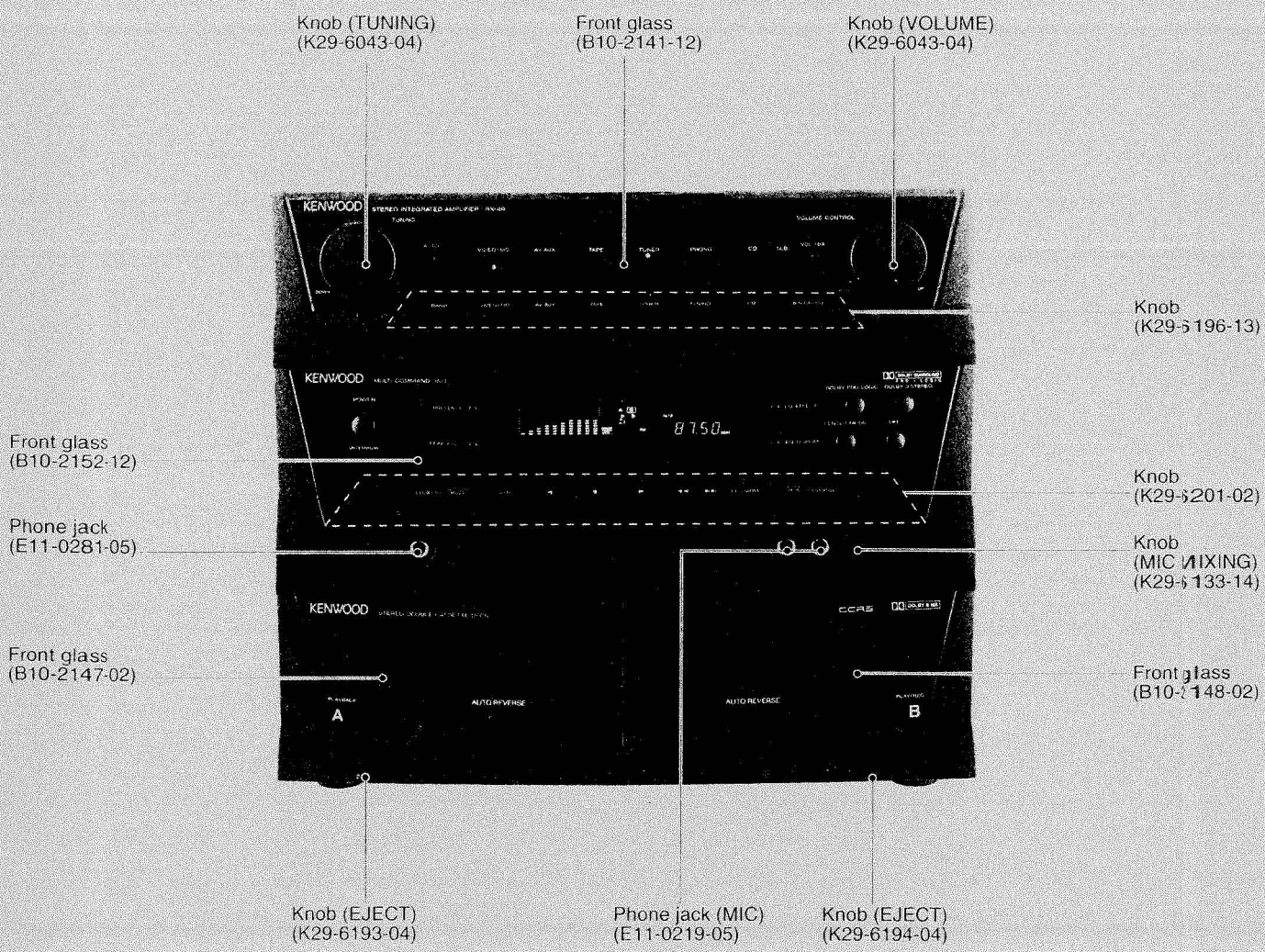

Photo is RX-49.

PRECAUTIONS FOR REPAIR

- For the operation of the cassette mechanism, see Service Manual(B51-5091-00) of RXD-F3.

EXTERNAL VIEW / MAINTENANCE

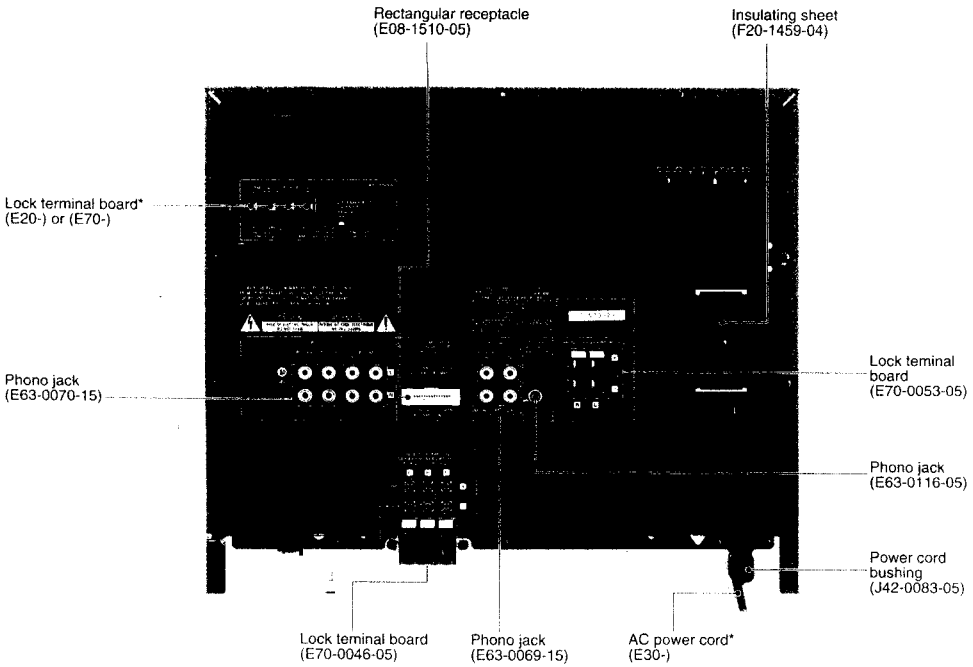

Photo is RX-49

***Refer to parts list on page 53.**

Memory backup function

When the power plug is connected to an AC outlet, memory backup is executed for the following setting contents.

Clock display

POWER status (ON or OFF)

Amplifier unit
- Surround
- Equalizer

Tuner unit
- Receiving band
- Frequency
- Preset stations
- Program settings

Cassette deck unit
- Transport direction
- DOLBY NR
- Reverse mode
- A/B deck selection

Caution :

The time display blinks after a power failure or when the power cord has been unplugged from the AC outlet and plugged in again. In such a case, adjust the clock again.(When the other preset memory contents are lost, please enter them again.)

Note related to transportation and movement (CD player)

Before transporting or moving this unit, carry out the following operations.

1. **Turn the power ON but do not load a disc.**
   - Press the ▶/II key to check that no disc is present on the tray.
2. **Wait a few seconds and verify that the display shown appears.**

M-49/M-29 **M-49M/M-29M**

3. Turn the power OFF.

Note related to transportation and movement (CD player)

Before transporting or moving this unit, carry out the following operations.

1. **Turn the power ON but do not load a disc.**
   - Press the ▶/II key to check that no disc is present on the tray.
2. **Wait a few seconds and verify that the display shown appears.**

M-686M **M-686LD**

no disc

3. **Turn the power OFF.**

RX-29/39/49/59

CONTENTS / ACCESSORIES

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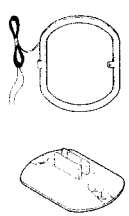
SPECIFICATIONS ..... Back cover

System configuration

System Name	Main unit	CD player	LD player	Speaker
M-29	RX-29	DP-29	—	LS-29
M-29M	RX-29	DP-R49	—	LS-29
M-49	RX-49	DP-29	—	LS-49
M-49M	RX-49	DP-R49	—	LS-49
M-383LD	RX-39	—	LVD-59	LS-39
M686M	RX-59	DP-R49	—	LS-59
M-686LD	RX-59	—	LVD-59	LS-59

Accessories

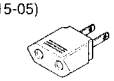
AM loop antenna assy.....(1)
(T90-0195-05)



Loop antenna stand
(J19-3645-05)

FM indoor antenna.....(1)
(T90-0182-15)

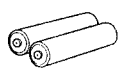
AC plug adapter.....(1)
(Except for the U.S.A., Canada,Mexico,Europe, U.K. and Australia)
(E03-0115-05)



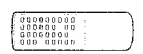
For the unit with a European AC plug in areas other than Europe.

Antenna adapter.....(1)
(For U.K. and Europe)
(T90-0198-05)

Batteries(R6/AA).....(2)



Remote control unit .....(1)
RX-29 (A70-1024-05) : RC-29
RX-39 (A70-1035-05) : RC-39
RX-49 (A70-1025-05) : RC-49
RX-59 (A70-1026-05) : RC-59



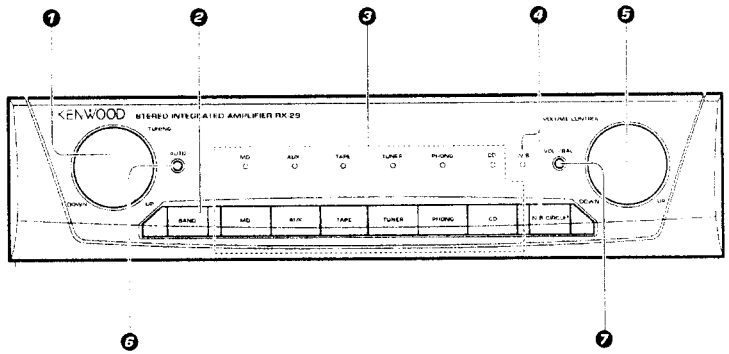
Battery cover : (A09-0194-08)

Beware of condensation

When water vapor comes into contact with the surface of a cold material, condensation is produced.
If condensation occurs, correct operation may not be possible, or the unit may not function correctly.
This is not a malfunction, however, and the unit should be dried-out. (To do this, turn the POWER switch ON and leave the unit as it is for several hours.)

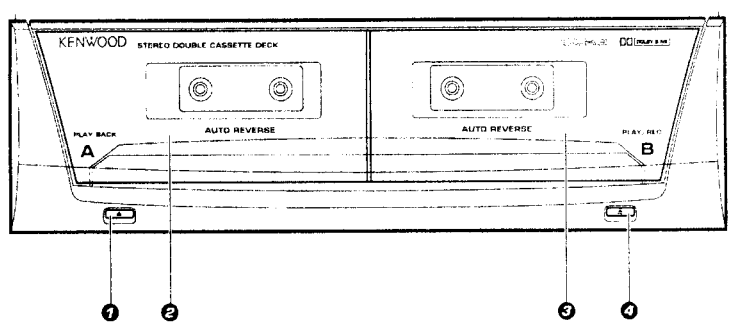
Be especially careful in the following conditions:
- When the unit is brought from a cold place to a warm place, and there is a large temperature difference.
- When a heater starts operating.
- When the unit is brought from an air-conditioned place to a place of high temperature with high humidity.
- When there is a large difference between the internal temperature of the unit and the ambient temperature, or in conditions where condensation occurs easily.

Amplifier unit(RX-29)



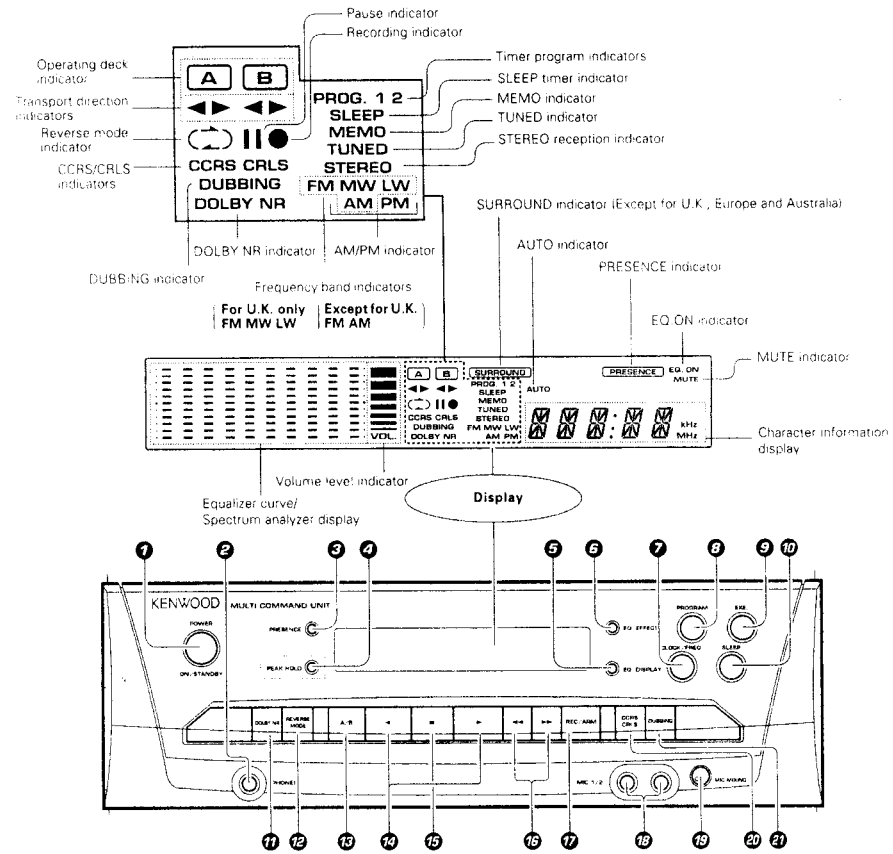
❶ **TUNING knob**
Turn to select the station to be received.
❷ **BAND key**
Press to select the required frequency band.
❸ **Input selector keys / indicators**
Press to select the components to be played.
❹ **N.B.CIRCUIT key**
Press to ON to activate automatic compensation of bass tone.
❺ **VOLUME CONTROL knob**
❻ **AUTO key**
Press to receive stations in auto tuning mode.
❼ **VOL./BAL. key**
Press to adjust the volume balance between the left and right speakers.

Cassette deck unit



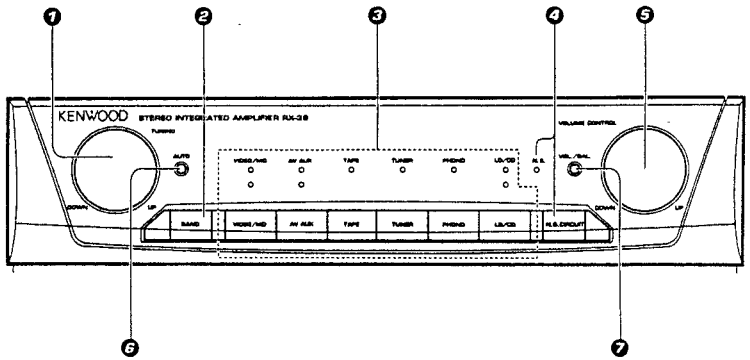
❶ **Deck A eject key**
❷ **Deck A cassette holder**
❸ **Deck B cassette holder**
❹ **Deck B eject key**

Multi command unit(RX-29)



❶ **POWER key**
Press to turn the POWER ON/OFF.
❷ **PHONES jack**
Connect headphones for listening through them.
❸ **PRESENCE key**
Press for presence play.
❹ **PEAK HOLD key**
For U.K. Europe and Australia
SURROUND key
For other countries
❺ **EQ.DISPLAY key**
❻ **EQ.EFFECT key**
❼ **CLOCK/FREQ. key**
❽ **PROGRAM key**
❾ **EXE. key**
❿ **SLEEP key**
⓫ **DOLBY NR key**
⓬ **REVERSE MODE key**
Press to switch over the play modes.
⓭ **A/B Selector key**
Press to select the playback deck.
⓮ **Play keys**
⓯ **Stop key**
⓰ **Fast Forward/Rewind keys**
⓱ **REC/ARM key**
⓲ **MIC 1/2 jacks**
⓳ **MIC MIXING control**
Turn to adjust the microphone input volume.
⓴ **CCRS/CRLS key**
㉑ **DUBBING key**
Press for dubbing between tapes.

Amplifier unit(RX-39)

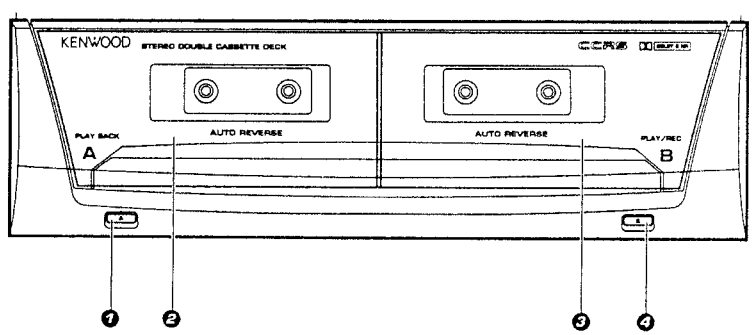


❶ **TUNING knob**
Turn to select the station to be received.
❷ **BAND key**
Press to select the required frequency band.
❸ **Input selector keys / indicators**
Press to select the component to be played.
Indicators
Red : Audio system
Green : Video system

❹ **N.B.CIRCUIT key / indicator**
Press to ON to activate automatic compensation of bass tone.
❺ **VOLUME CONTROL knob**

❻ **AUTO key**
Press to receive stations in auto tuning mode.
❼ **VOL./BAL. key**
Press to adjust the volume balance between the left and right speakers.

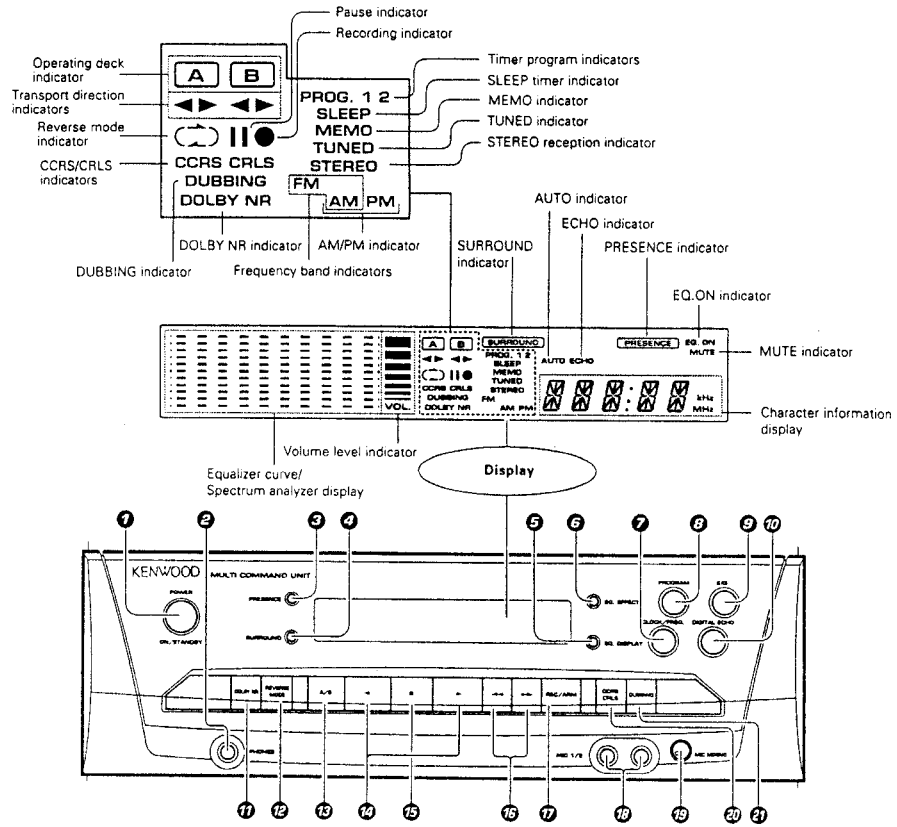
Cassette deck unit



❶ **Deck A eject key**
❷ **Deck A cassette holder**

❸ **Deck B cassette holder**
❹ **Deck B eject key**

Multi command unit(RX-39)



❶ **POWER key**
Press to turn the POWER ON/OFF.
❷ **PHONES jack**
Connect headphones for listening through them.
❸ **PRESENCE key**
Press for presence play.
❹ **SURROUND key**

❺ **EQ.DISPLAY key**

❻ **EQ.EFFECT key**

❼ **CLOCK/FREQ. key**

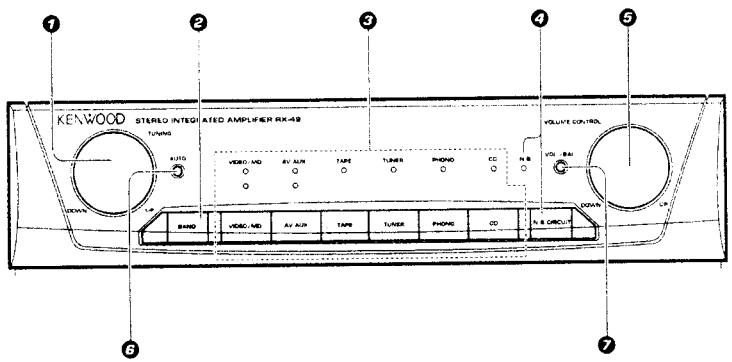
❽ **PROGRAM key**

❾ **EXE. key**

❿ **DIGITAL ECHO key**
Press to apply echo to the microphone input sound.
⓫ **DOLBY NR key**
⓬ **REVERSE MODE key**
Press to switch over the play modes.
⓭ **A/B Selector key**
Press to select the playback deck.
⓮ **Play keys**
⓯ **Stop key**

⓰ **Fast Forward/Rewind keys**
⓱ **REC/ARM key**
⓲ **MIC 1/2 jacks**
⓳ **MIC MIXING control**
Turn to adjust the microphone input volume.
⓴ **CCRS/CRLS key**
㉑ **DUBBING key**
Press for dubbing between tapes.

Amplifier unit(RX-49)

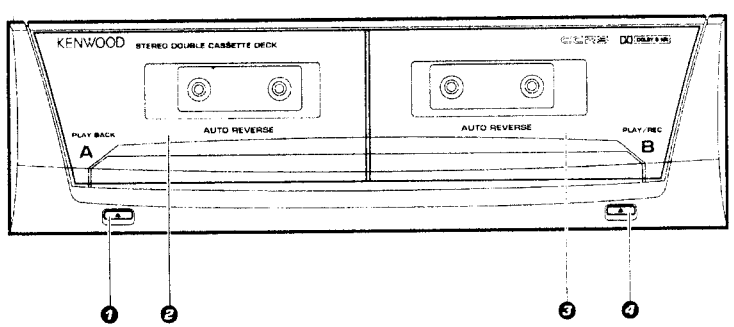


❶ TUNING knob
Turn to select the station to be received.
❷ BAND key
Press to select the required frequency band.
❸ Input selector keys / indicators
Press to select the component to be played.
Indicators
Red : Audio system
Green : Video system

❹ N.B.CIRCUIT key
Press to ON to activate automatic compensation of bass tone.
❺ VOLUME CONTROL knob

❻ AUTO key
Press to receive stations in auto tuning mode.
❼ VOL./BAL. key
Press to adjust the volume balance between the left and right speakers.

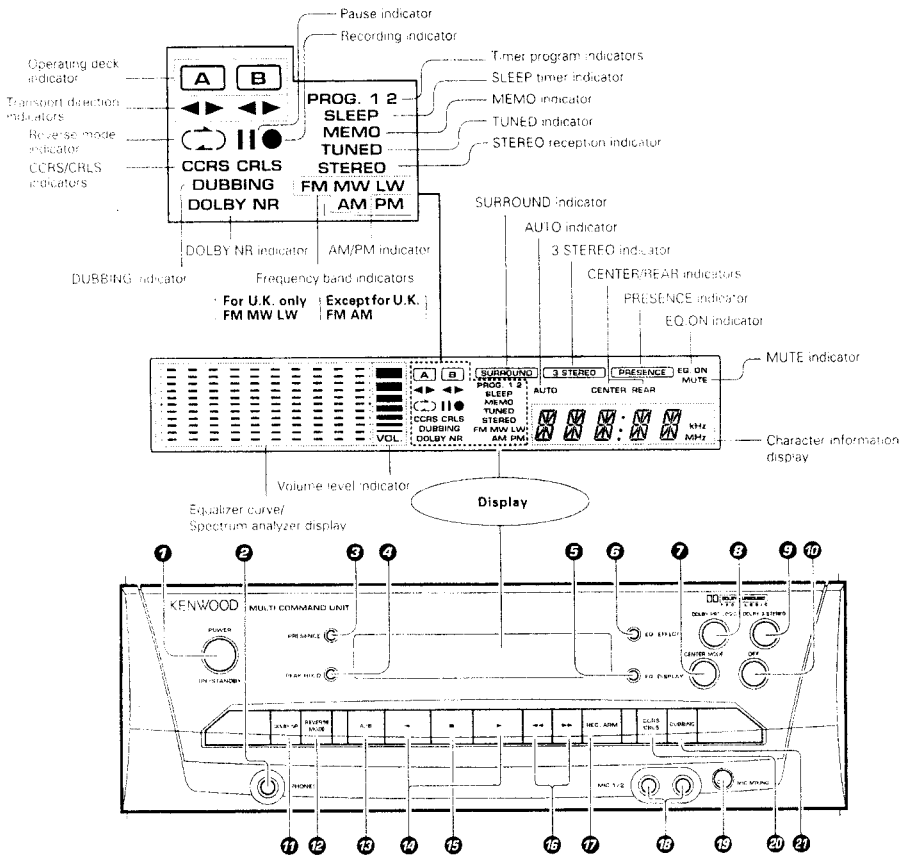
Cassette deck unit



❶ Deck A eject key
❷ Deck A cassette holder

❸ Deck B cassette holder
❹ Deck B eject key

Multi command unit(RX-49)



❶ POWER key
Press to turn the POWER ON/OFF.
❷ PHONES jack
Connect headphones for listening through them.
❸ PRESENCE key
Press for presence play.
❹ PEAK HOLD key

❺ EQ.DISPLAY key

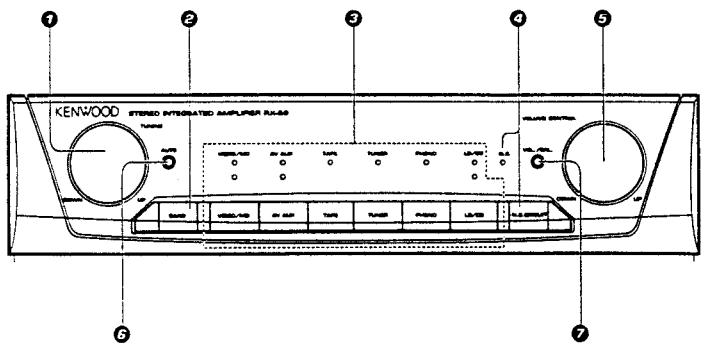
❻ EQ.EFFECT key

❼ CENTER MODE key
Used in adjustment of or playback in the Dolby 3 Stereo or Dolby Pro Logic mode.

❽ DOLBY PRO LOGIC key
Used in adjustment of or playback in the Dolby Pro Logic mode.
❾ DOLBY 3 STEREO key
Used in adjustment of or playback in the Dolby 3 Stereo mode.
❿ OFF key
Press to switch the surround and presence modes OFF.
⓫ DOLBY NR key
⓬ REVERSE MODE key
Press to switch over the play modes.
⓭ A/B Selector key
Press to select the playback deck.
⓮ Play keys

⓯ Stop key
⓰ Fast Forward/Rewind keys
⓱ REC/ARM key
⓲ MIC 1/2 jacks
⓳ MIC MIXING control
Turn to adjust the microphone input volume.
⓴ CCRS/CRLS key
㉑ DUBBING key
Press for dubbing between tapes.

Amplifier unit(RX-59)

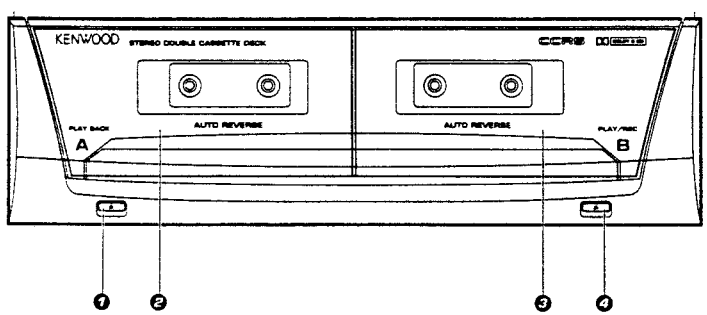


❶ **TUNING knob**
Turn to select the station to be received.
❷ **BAND key**
Press to select the required frequency band.
❸ **Input selector keys / indicators**
Press to select the component to be played.
Indicators
Red : Audio system
Green : Video system

❹ **N.B.CIRCUIT key**
Press to ON to activate automatic compensation of bass tone.
❺ **VOLUME CONTROL knob**

❻ **AUTO key**
Press to receive stations in auto tuning mode.
❼ **VOL./BAL. key**
Press to adjust the volume balance between the left and right speakers.

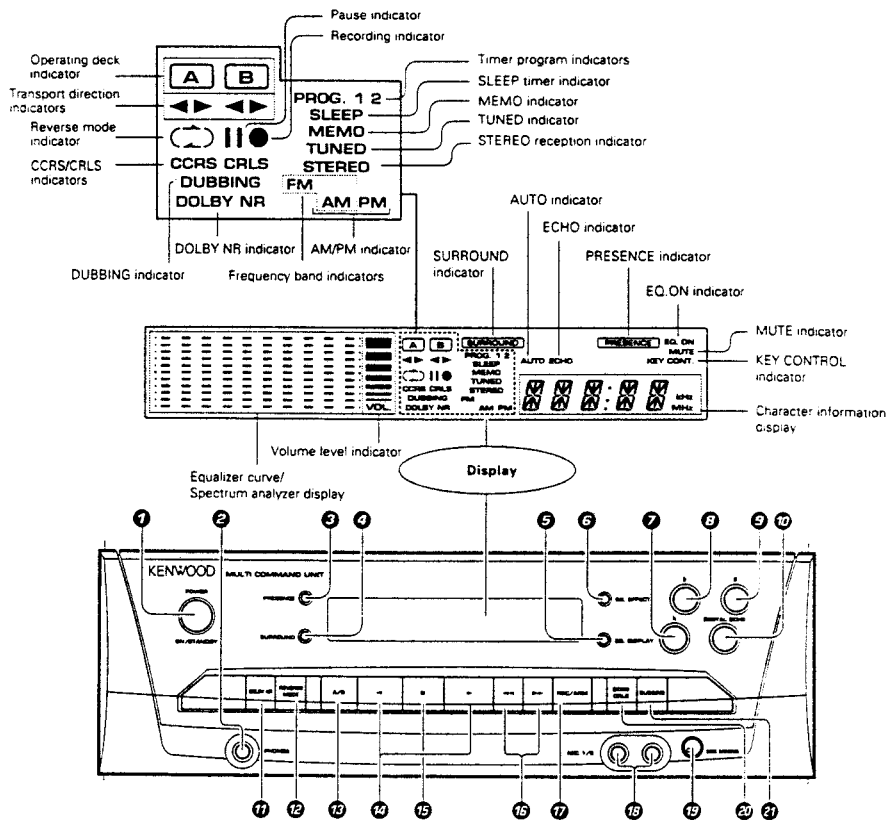
Cassette deck unit



❶ **Deck A eject key**

❷ **Deck B cassette holder**

Multi command unit(RX-59)



❶ **POWER key**
Press to turn the POWER ON/OFF.
❷ **PHONES jack**
Connect headphones for listening through them.
❸ **PRESENCE key**
Press for presence play.
❹ **SURROUND key**

❺ **EQ.DISPLAY key**

❻ **EQ.EFFECT key**

❼ **♮ key**
Return is made to the original key.

❽ **♭ key**
The key goes down one step each time this key is pressed.

❾ **♯ key**
The key goes up one step each time this key is pressed.
❿ **DIGITAL ECHO key**
Press to apply echo to the microphone input sound.
⓫ **DOLBY NR key**
⓬ **REVERSE MODE key**
Press to switch over the play modes.
⓭ **A/B Selector key**
Press to select the playback deck.

⓮ **Play keys**
⓯ **Stop key**
⓰ **Fast Forward/Rewind keys**
⓱ **REC/ARM key**
⓲ **MIC 1/2 jacks**
⓳ **MIC MIXING control**
Turn to adjust the microphone input volume.
⓴ **CCRS/CRLS key**
㉑ **DUBBING key**
Press for dubbing between tapes.

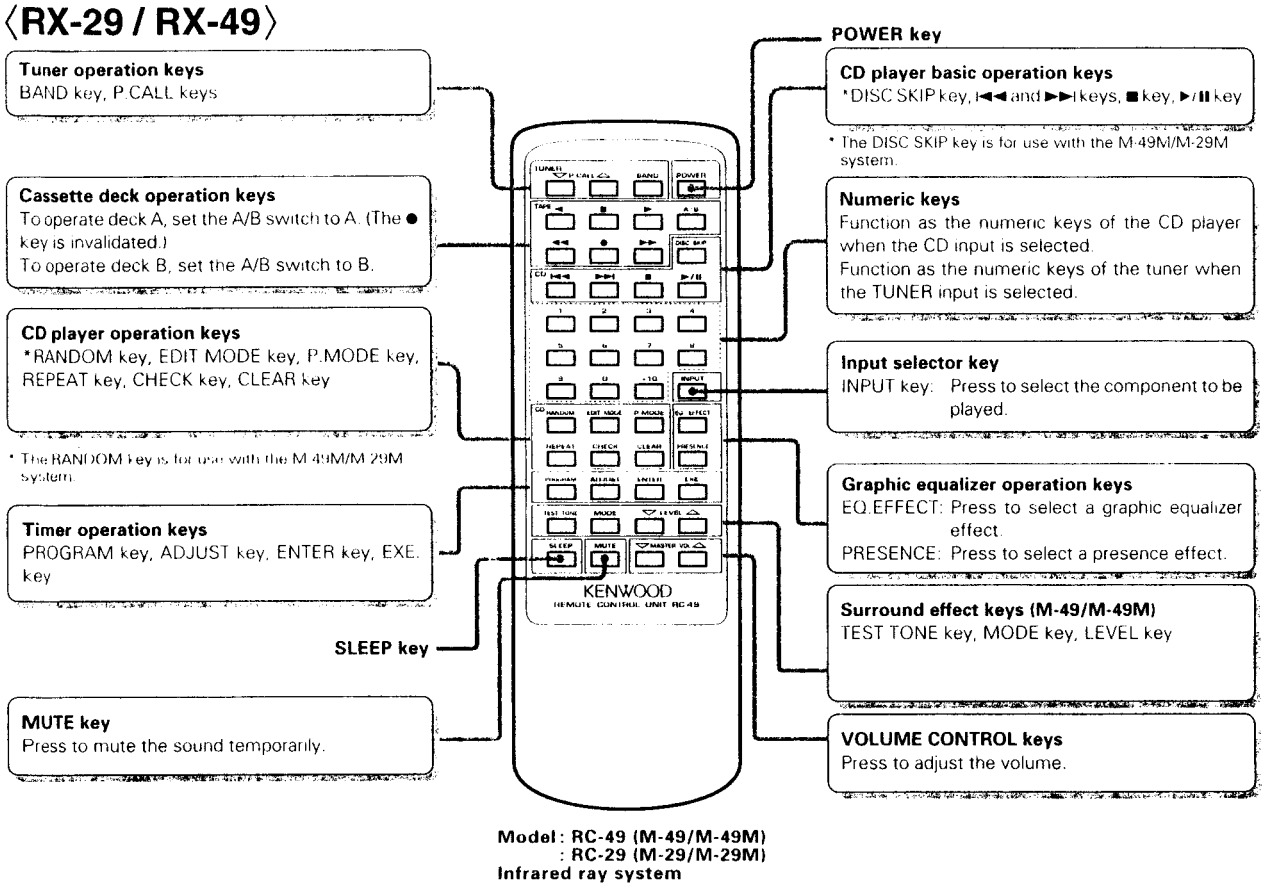
CONTROL

RX-29/39/49/59

RX-29/39/49/59

REMOTE CONTROL OPERATION

⟨RX-29 / RX-49⟩


Tuner operation keys
BAND key, P.CALL keys
Cassette deck operation keys
To operate deck A, set the A/B switch to A. (The ● key is invalidated.)
To operate deck B, set the A/B switch to B.
CD player operation keys
*RANDOM key, EDIT MODE key, P.MODE key, REPEAT key, CHECK key, CLEAR key
* The RANDOM key is for use with the M-49M/M-29M system.
Timer operation keys
PROGRAM key, ADJUST key, ENTER key, EXE. key
SLEEP key
MUTE key
Press to mute the sound temporarily.
POWER key
CD player basic operation keys
*DISC SKIP key, ⏮ and ⏭ keys, ■ key, ▶/⏸ key
* The DISC SKIP key is for use with the M-49M/M-29M system.
Numeric keys
Function as the numeric keys of the CD player when the CD input is selected.
Function as the numeric keys of the tuner when the TUNER input is selected.
Input selector key
INPUT key: Press to select the component to be played.
Graphic equalizer operation keys
EQ.EFFECT: Press to select a graphic equalizer effect.
PRESENCE: Press to select a presence effect.
Surround effect keys (M-49/M-49M)
TEST TONE key, MODE key, LEVEL key
VOLUME CONTROL keys
Press to adjust the volume.
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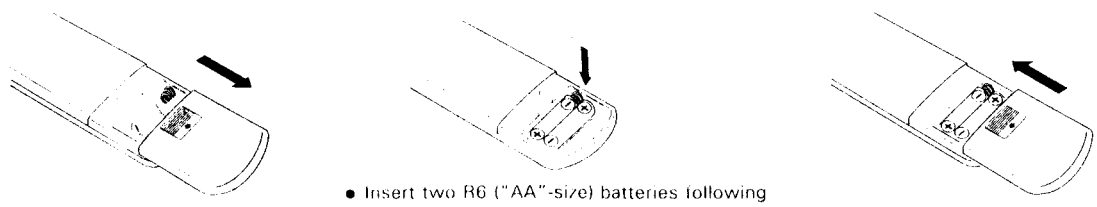
Model : RC-49 (M-49/M-49M)
: RC-29 (M-29/M-29M)
Infrared ray system

Loading batteries

❶ Remove the cover. **❷ Insert batteries.** **❸ Close the cover.**

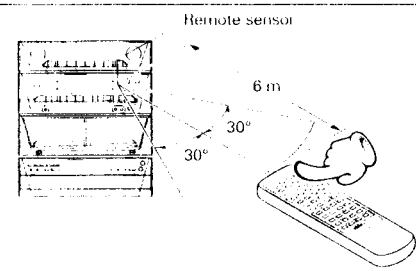


- Insert two R6 ("AA"-size) batteries following the polarity indications.

Operation

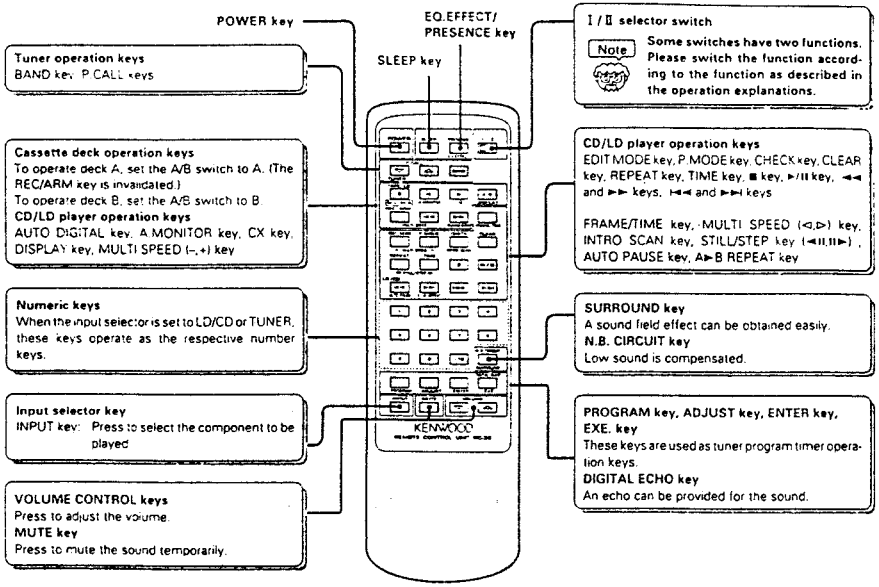
After plugging in the power cord, press the POWER key of the remote control unit to turn the power of the system ON. When the power is turned ON, press the key of the function to be operated.

- When pressing more than one remote control key successively, press the keys securely by leaving an interval of 1 second or more between keys.



Notes
1. The provided batteries are intended for use in operation checking, and their service life may be short.
2. When the remote controllable distance becomes short, replace both of the batteries with new ones.
3. If direct sunlight or the light of a high-frequency fluorescent lamp (inverter type, etc.) is incident to the remote sensor, malfunction may occur. In such a case, change the installation position to avoid malfunction.

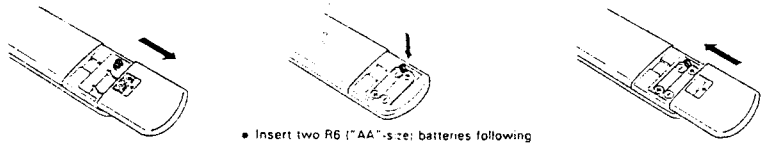
⟨RX-39⟩


POWER key
EQ.EFFECT/ PRESENCE key
SLEEP key
Tuner operation keys
BAND key, P.CALL keys
Cassette deck operation keys
To operate deck A, set the A/B switch to A. (The REC/ARM key is invalidated.)
To operate deck B, set the A/B switch to B.
CD/LD player operation keys
AUTO DIGITAL key, A.MONITOR key, CX key, DISPLAY key, MULTI SPEED (–,+) key
Numeric keys
When the input selector is set to LD/CD or TUNER, these keys operate as the respective number keys.
Input selector key
INPUT key: Press to select the component to be played
VOLUME CONTROL keys
Press to adjust the volume.
MUTE key
Press to mute the sound temporarily.
I / II selector switch
Note
Some switches have two functions. Please switch the function according to the function as described in the operation explanations.
CD/LD player operation keys
EDIT MODE key, P.MODE key, CHECK key, CLEAR key, REPEAT key, TIME key, ■ key, ▶/II key, ◀◀ and ▶▶ keys, I◀◀ and ▶▶I keys
FRAME/TIME key, MULTI SPEED (◁,▷) key, INTRO SCAN key, STILL/STEP key (◀II,II▶), AUTO PAUSE key, A▶B REPEAT key
SURROUND key
A sound field effect can be obtained easily.
N.B. CIRCUIT key
Low sound is compensated.
PROGRAM key, ADJUST key, ENTER key, EXE. key
These keys are used as tuner program timer operation keys.
DIGITAL ECHO key
An echo can be provided for the sound.
KENWOOD

Model: RC-39
Infrared ray system

Loading batteries

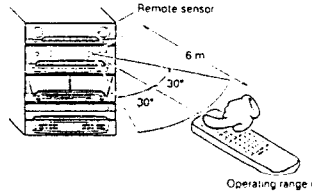
❶ Remove the cover. ❷ Insert batteries. ❸ Close the cover.



• Insert two R6 ("AA"-size) batteries following the polarity indications

Operation

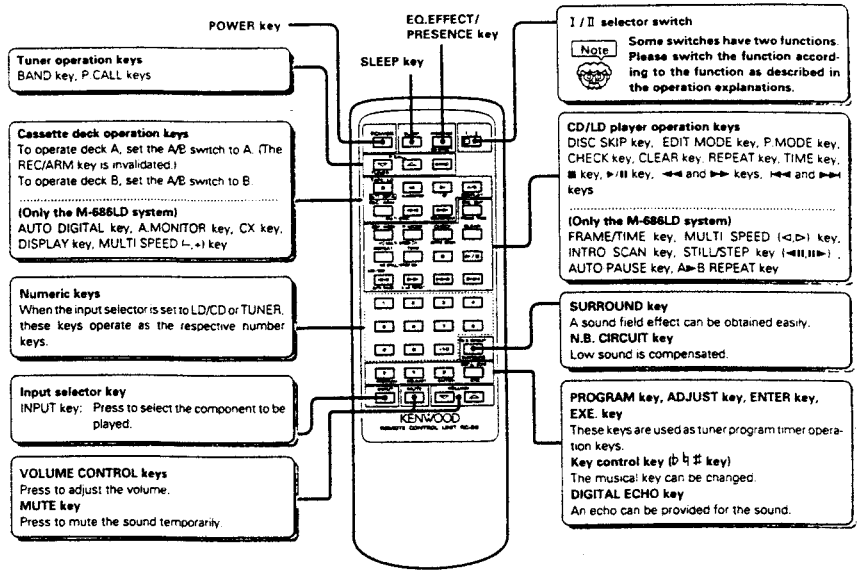
After plugging in the power cord, press the POWER key of the remote control unit to turn the power of the system ON. When the power is turned ON, press the key of the function to be operated.



•When pressing more than one remote control key successively, press the keys securely by leaving an interval of 1 second or more

Notes
1. The provided batteries are intended for use in operation checking, and their service life may be short.
2. When the remote controllable distance becomes short, replace both of the batteries with new ones.
3. If direct sunlight or the light of a high-frequency fluorescent lamp (inverter type, etc.) is incident to the remote sensor, malfunction may occur. In such a case, change the installation position to avoid malfunction.

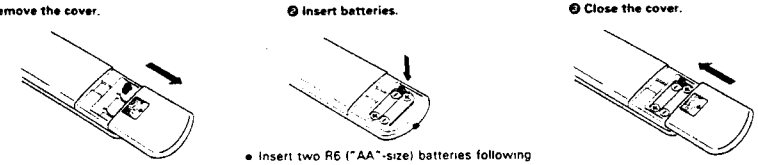
⟨RX-59⟩


POWER key
EQ.EFFECT/ PRESENCE key
SLEEP key
Tuner operation keys
BAND key, P.CALL keys
Cassette deck operation keys
To operate deck A, set the A/B switch to A. (The REC/ARM key is invalidated.)
To operate deck B, set the A/B switch to B.
(Only the M-686LD system)
AUTO DIGITAL key, A.MONITOR key, CX key, DISPLAY key, MULTI SPEED (–,+) key
Numeric keys
When the input selector is set to LD/CD or TUNER, these keys operate as the respective number keys.
Input selector key
INPUT key: Press to select the component to be played.
VOLUME CONTROL keys
Press to adjust the volume.
MUTE key
Press to mute the sound temporarily.
I / II selector switch
Note
Some switches have two functions. Please switch the function according to the function as described in the operation explanations.
CD/LD player operation keys
DISC SKIP key, EDIT MODE key, P.MODE key, CHECK key, CLEAR key, REPEAT key, TIME key, ■ key, ▶/II key, ◀◀ and ▶▶ keys, I◀◀ and ▶▶I keys
(Only the M-686LD system)
FRAME/TIME key, MULTI SPEED (◁,▷) key, INTRO SCAN key, STILL/STEP key (◀II,II▶), AUTO PAUSE key, A▶B REPEAT key
SURROUND key
A sound field effect can be obtained easily.
N.B. CIRCUIT key
Low sound is compensated.
PROGRAM key, ADJUST key, ENTER key, EXE. key
These keys are used as tuner program timer operation keys.
Key control key (♭ ♮ ♯ key)
The musical key can be changed.
DIGITAL ECHO key
An echo can be provided for the sound.
KENWOOD

Model: RC-59
Infrared ray system

Loading batteries

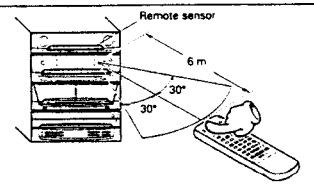
❶ Remove the cover. ❷ Insert batteries. ❸ Close the cover.



• Insert two R6 ("AA"-size) batteries following the polarity indications.

Operation

After plugging in the power cord, press the POWER key of the remote control unit to turn the power of the system ON. When the power is turned ON, press the key of the function to be operated.

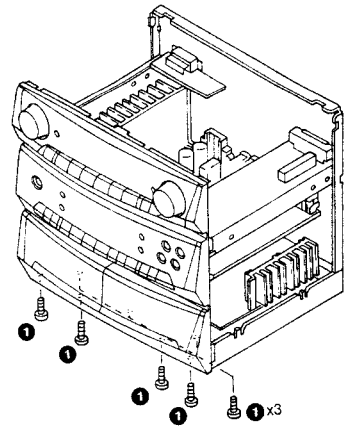


•When pressing more than one remote control key successively, press the keys securely by leaving an interval of 1 second or more between keys.

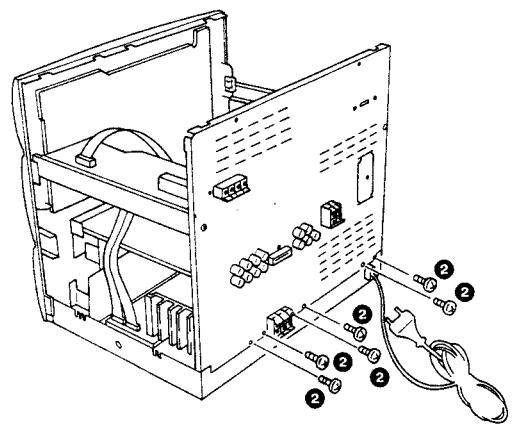
Notes
1. The provided batteries are intended for use in operation checking, and their service life may be short.
2. When the remote controllable distance becomes short, replace both of the batteries with new ones.
3. If direct sunlight or the light of a high-frequency fluorescent lamp (inverter type, etc.) is incident to the remote sensor, malfunction may occur. In such a case, change the installation position to avoid malfunction.

DISASSEMBLY FOR REPAIR

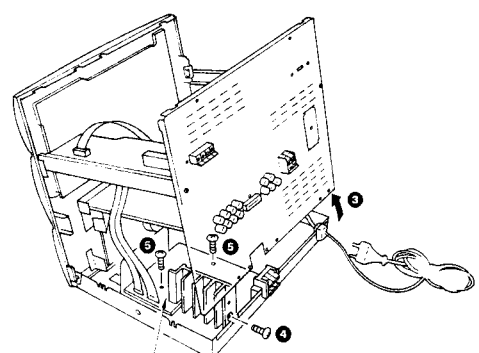
1. Remove 7screws(❶), on bottom side.



2. Remove 6screws(❷) backwards.

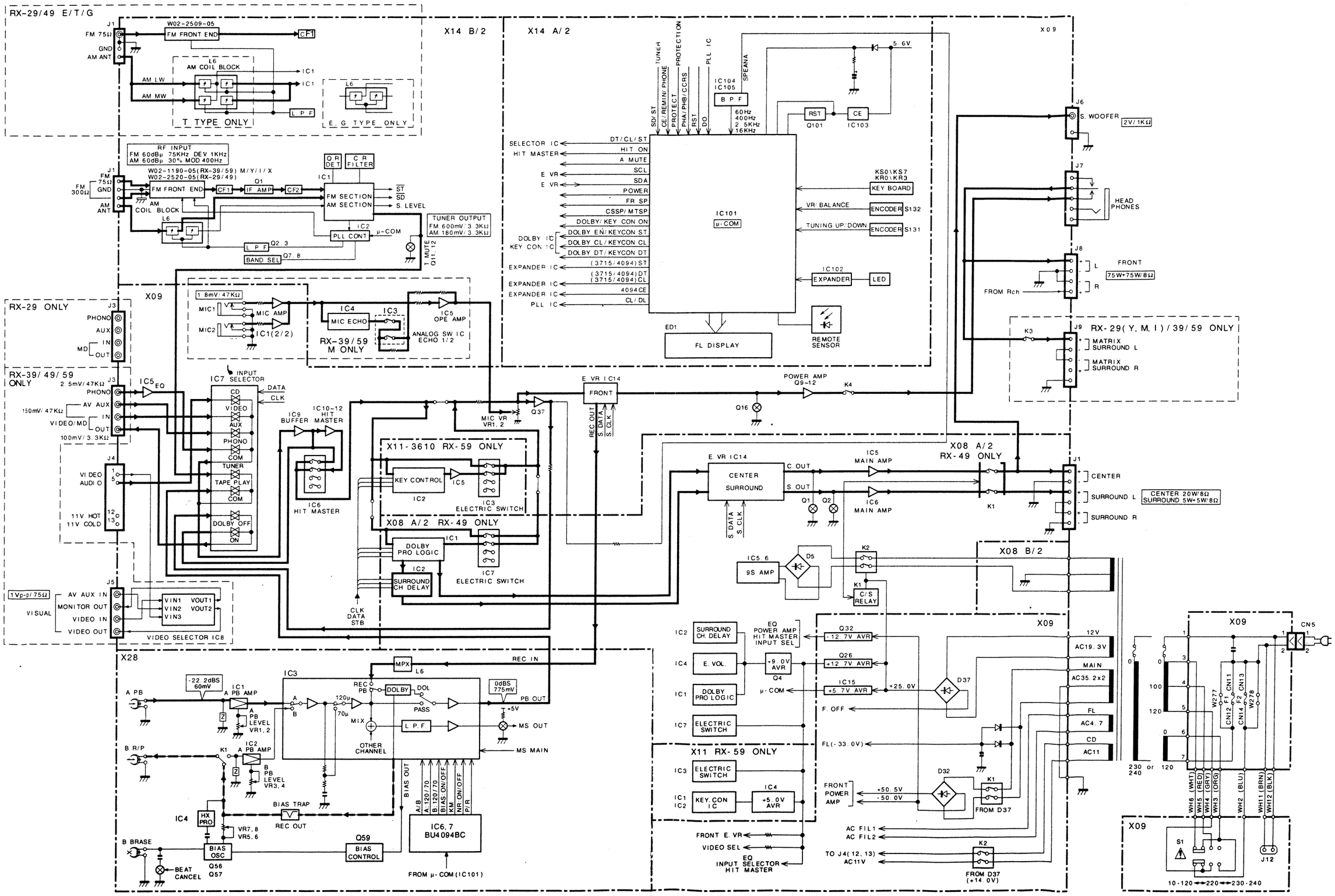


3. Lift up rear panel(❸).
4. Remove screw(❹), and 2screws(❺).



CENTER/
SURROUND UNIT
X08-2692-70)

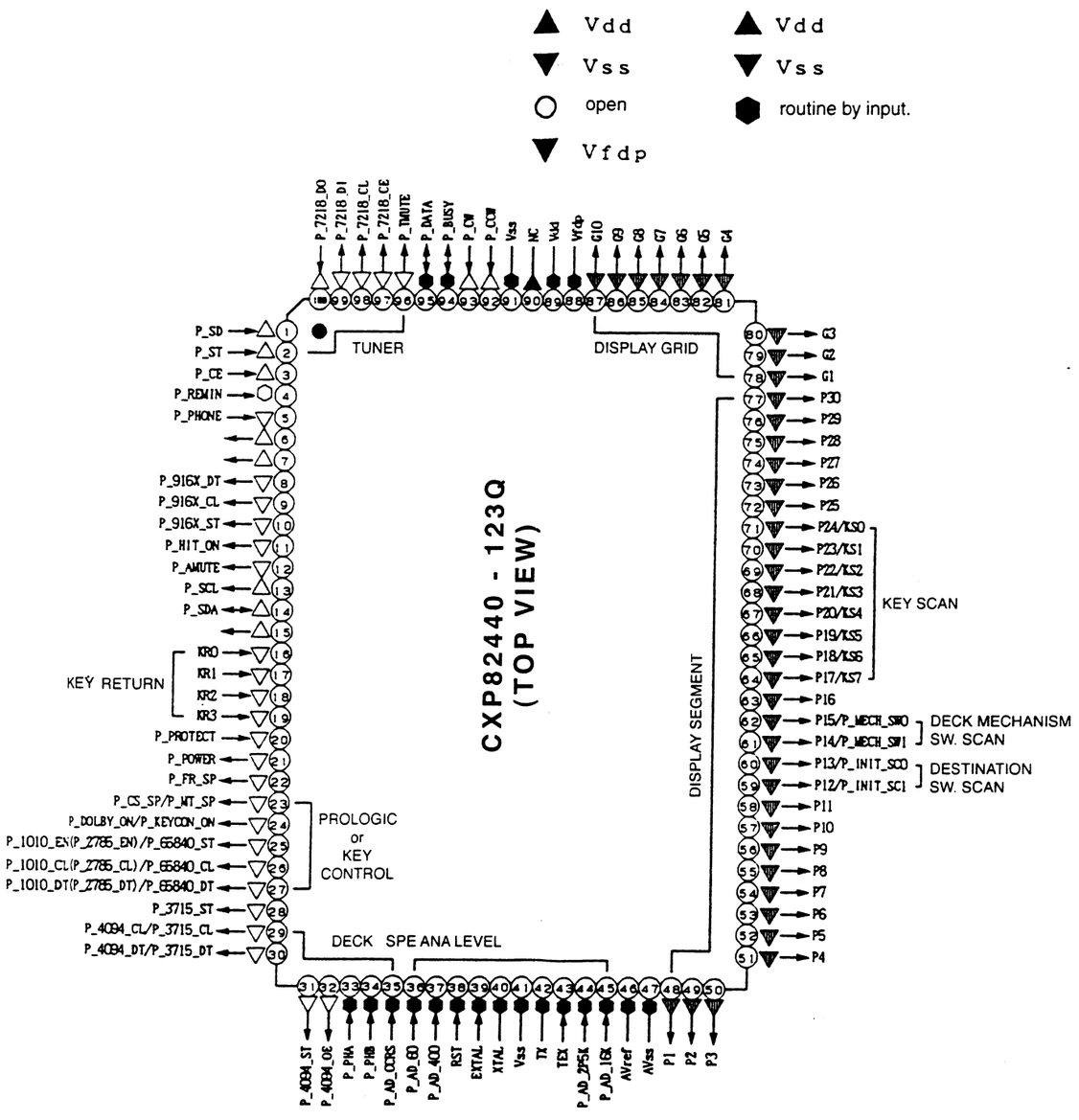
BLOCK DIAGRAM



RX-29/39/49/59 BLOCK-DIAGRAM AND LEVEL-DIAGRAM

CIRCUIT DESCRIPTION

Microprocessor : CPX82440-123Q(IC 101)



RX-29/39/49/59

CIRCUIT DESCRIPTION

Pin function

Pin NO.	Pin Name	I/O	Description
1	P_ SD	I	Detection port of broadcasting from tuner unit.(H=no station/L=station)
2	P_ST	I	Detection port of stereo broadcasting signal from tuner unit.(H=no stereo/L=stereo broadcasting)
3	P_CE	I	Detection port of power supply voltage.(H=power supplied/L=no power supply)
4	P_REMAIN	I	Input port of remote controller.(H=no remocon signal/L=remocon signal)
5	P_PHONE	I	Detection port of headphone jack.(H=inserted phones/L=no phones)
6,7	NC	O	No use
8	P_ 916_DT	O	Data port of serial control signal from selector IC TC9164.
9	P_916_CL	O	Clock port of serial control signal from selector IC TC9164.
10	P_916_ST	O	Strobe port of serial control signal from selector IC TC9164.
11	P_HIT_ON	O	Selector port of HIT MASTER on/off. (H=on/L=off)
12	P_AMUTE	O	Control port of analog signal muting(H=off/L=on)
13	P_SCL	O	Clock port of serial control signal from electric volume IC TDA7345/7315.
14	P_SDA	I/O	Data port of serial control signal from electric volume IC TDA7345/7315.
15	NC	O	No use.
16 ~ 19	KR0 ~ 3	I	Input port of key return signal.
20	P_PROTECT	I	Detection port of speaker protection.(H=protection/L=no protection)
21	P_POWER	O	Control port of power relay by detecting AC power supply.
22	P_FR_SP	O	Control port of front speaker's relay.(H=relay on/L=relay off)
23	P_CS_SP/P_MT_SP	O	Control port of surround speaker's relay.(H=relay on/L=relay off)
24	P_DOLBY_ON/P_KEYCON_ON	O	Selector port of DOLBY SURROUND or key control>(H=Dolby or key on/L=Dolby or key off)
25	P_1010_EN(P_ 2785_EN)/P_6584_ST	O	Enable port of serial control signal from Dolby IC LV1010 or LA2785./Strobe port of serial control signal from key control IC M65840.
26	P_1010_EN(P_2785_EN)/P_6584_ST	O	Clock port of serial control signal from Dolby IC LV1010 and LA2785.
27	P_1010_EN(P_2785_EN)/P_6584_ST	O	Data port of serial control signal from Dolby IC LV1010 and LA2785.
28	P_3715_ST	O	Strobe port of serial control signal from expand port driver IC NJU3715.
29	P_3715_DT/P_4094_DT	O	Data port of serial control signal from expand port driver IC NJU3715 or BU4094B.
30	P_3715_CL/P_4094_CL	O	Clock port of serial control signal from expand port driver IC NJU3715 or BU4094B.
31	P_4094_ST	O	Strobe port of serial control signal from expand port driver IC BU4094B.
32	P_4094_OE	O	Output port of output control from expand port driver IC BU4094B.
33	P_PHA	I	Input port of turning photosensor in A-cassette deck.
34	P_PHB	I	Input port of turning photosensor in B -cassette deck.
35	P_AD_CCRS	I	Detection port of CCRS and DPSS level.
36	P_AD_60	I	Control port of 60Hz band spectrum analyzer.
37	P_AD_400	I	Control port of 400Hz band spectrum analyzer.
38	RST I	I	Reset port for devices.
39,40	E/XTAL	I	Input/output port of main clock (8.0MHz).
41	Vss	I	GND

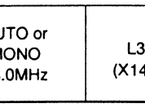
CIRCUIT DESCRIPTION

Pin NO.	Pin Name	I/O	Description
42,43	TX/TEX	I	Input/output port of sub-clock (32kHz) for clocker.
44	P_AD_2P5K	I	Control port of 2.5kHz band spectrum analyzer.
45	P_AD_16K	I	Control port of 16kHz band spectrum analyzer.
46	AVref	I	Input port of reference voltage for A/D converter.
47	AVss	I	GND port of A/D converter.
48 ~ 58	P1 ~ 11	O	Output port of segments signal for display.
59,60	P12,13/P_INIT_SC1 ~ 0	O	Output port of segments signal for display and reading port of destination switches.
61,62	P14, 15/P_MECHA_SW1,2	O	Output port of segments signal for display and reading port of mechanism switches.
63	P16	O	Output port of segments signal for display .
65 ~ 71	P18 ~ 24	O	Output port of segments signal for display and key scan.
72 ~ 77	P25 ~ 30	O	Output port of segments signal for display.
78 ~ 87	G1 ~ 10	O	Output port of timing signal for display.
88	Vfdp	I	Power supply port for segments timing in display.
89	Vdd	I	Port of power supply for devices.
90	NC	-	No use.
91	Vss	I	GND
92	P_CCW	I	Input port of counterclockwise signal on rotary encoder.
93	P_CW	I	Input port of clockwise signal on rotary encoder.
94	P_BUSY	I/O	Input/output port of busy signal on serial interface.
95	P_DATA	I/O	Input/output port of data signal on serial interface.
96	P_TMUTE	O	Mute port of tuner. (H=on/L=off)
97	P_7218_CE	O	Chip enable port of PLL IC LC7218.
98	P_7218_CL	O	Clock port of PLL IC LC7218.
99	P_7218_DI	O	Data output port of PLL IC LC7218.
100	P_7218_DO	I	Data input port of PLL IC LC7218.

RX-29/39/49/59

ADJUSTMENT

CASSETTE section

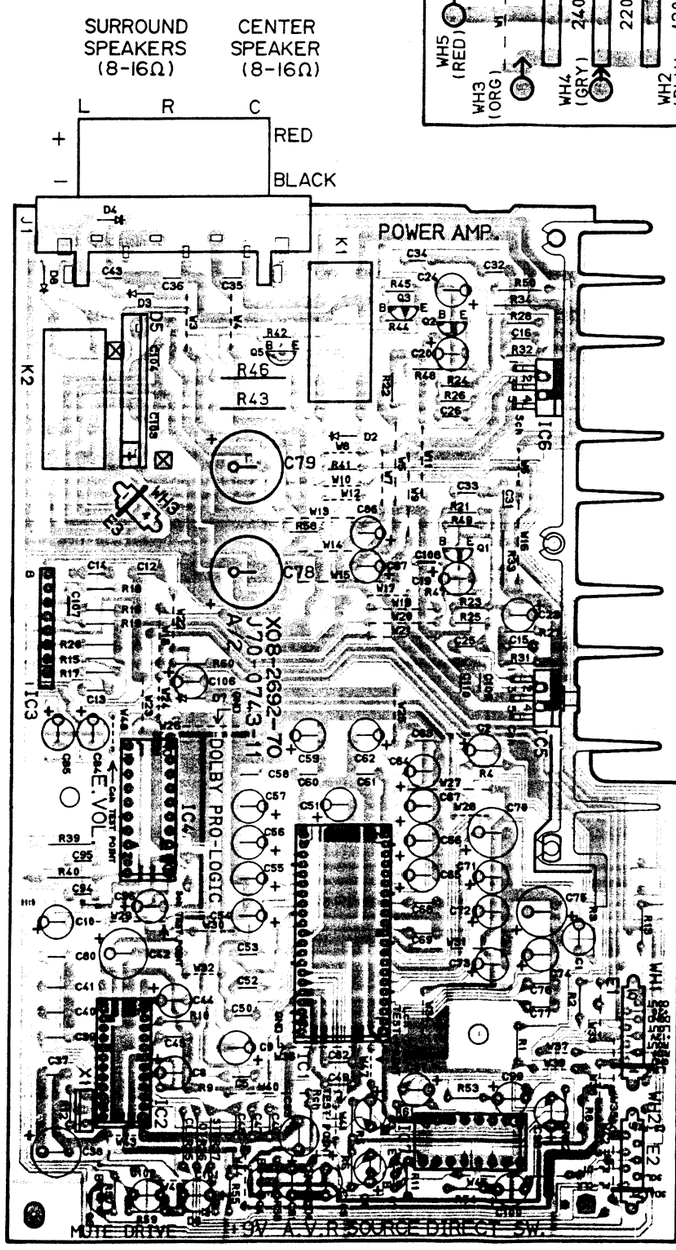
Order	Item	Input setting	Output setting	Deck settin	Adjustment points	Adjustment method	Fig.
Unless otherwise specified, set the respective switches as folllosw: TAPE: NORMAL DOLBY: OFF INPUT: R/P BCB (W18,W19) OUTPUT : CN5. (Lch : #1,Rch : #4)							
I. Cassette mechanism section (Recording/play head adjustment)							
<1>	Demagnetization and cleaning	—	—	Power:OFF Demagnetization, cleaning, PLAY	Recording head, erase head, capstan, pinch roller	Demagnetize the REC/PLAY head with the head eraser. Clean the REC/PLAY head, erase head, capstan and pinch roller using a cotton swab slightly dampped with alcohol.	
<2>	Azimuth of the REC/PLAY head	SCC-1727 TCC-153 MTT-114 10kHz, -10dB	—	PLAY	 FWD RVS	Adjust the output to maximum and adjust the azimuth adjustment screw for the Lissajous waveform pattern of the oscilloscope to become close to a 45° straight line.	
II. Printed circuit board adjustment							
(1)	Tape speed (normal)	SCC1727 TCC-110 MTT-111 3 kHz	Connect oscilloscope and AC voltmeter to output (CN5).	PLAY	A DECK: VR 52 B DECK: VR 52	Adjust so ;that the frequency is 3 kHz at the tape center.	
(2)	Playback level	MTT-150 400 Hz	Connect oscilloscope and AC voltmeter to output (CN5).	PLAY	A DECK: VR1 (L) VR2 (R) B DECK: VR3 (L) VR4 (R)	Output level : 0dBs	
		MTT-256, SCC1727 315 Hz (160 mWb/m)				Output level : -3dBs	
		MTT-256U, TCC-160 315 Hz (250 mWb/m)				Output level : 1dBs	
(3)	Bias current	1 kHz, -24dBs 10kHz, -24dBs	Connect oscilloscope and AC voltmeter to output (CN5).	REC PAUSE	B DECK: (L) VR 5 (R) VR 6	Record 1kHz and 10kHz in alternation and adjust the variable resistors which control the bias current so that the same playback level is obtained.	

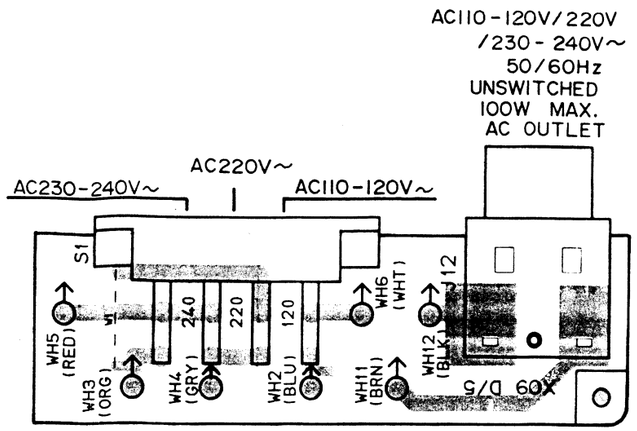
TUNER section

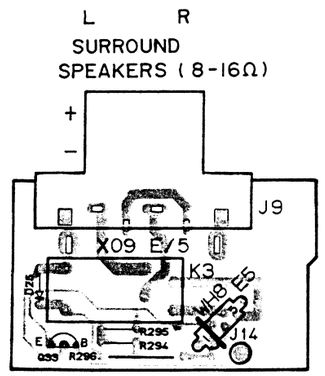
No.	ITEM	INPUT SETTING	OUTPUT SETTING	TUNER SETTING	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION		BAND : FM					
1	DISCRIMINATOR	(A) 98.0MHz 1kHz, ±75 kHz dev 60 dBμ(ANT input)	Connect a DC voltmeter between TP2 and TP3. (X14-)	AUTO or MONO 98.0MHz	L3 (X14-)	0V	(c)

PC BOARD(COMPONENT SIDE VIEW)

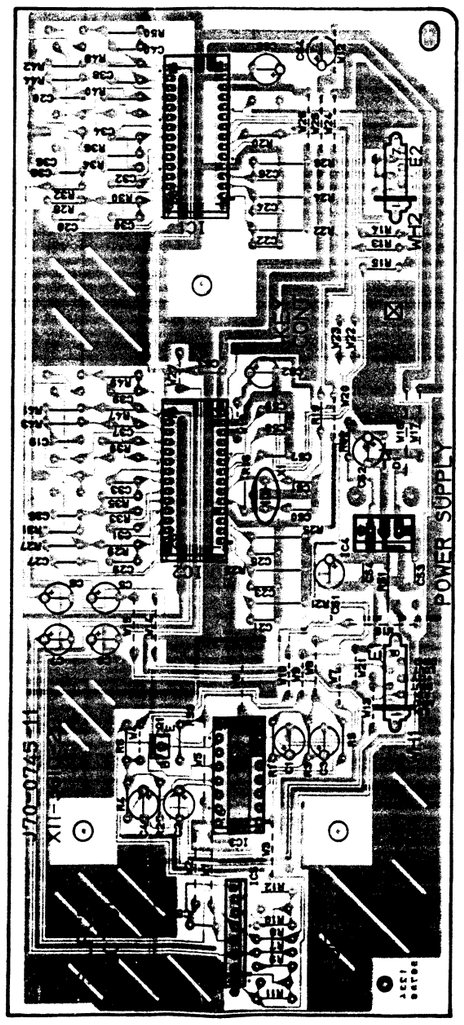
SURROUND(X08-2692)



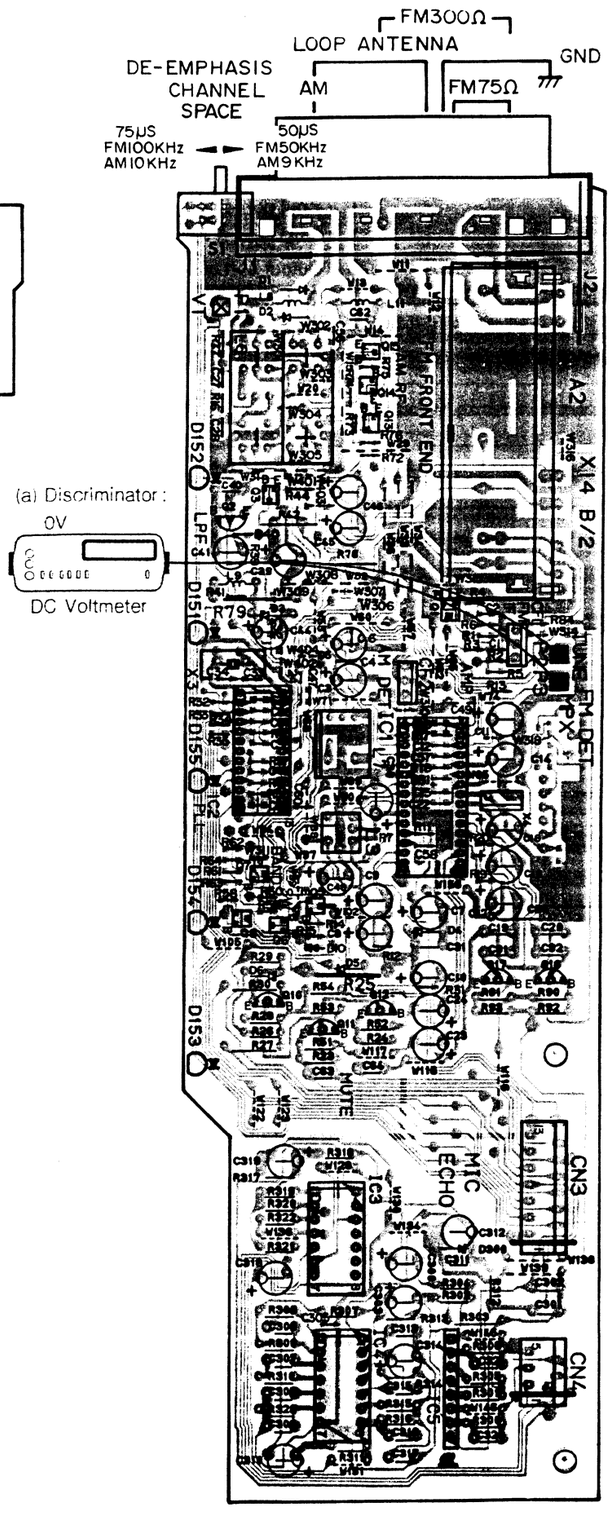




KEY CON.(X11-3610)



TUNER(X14-4062)



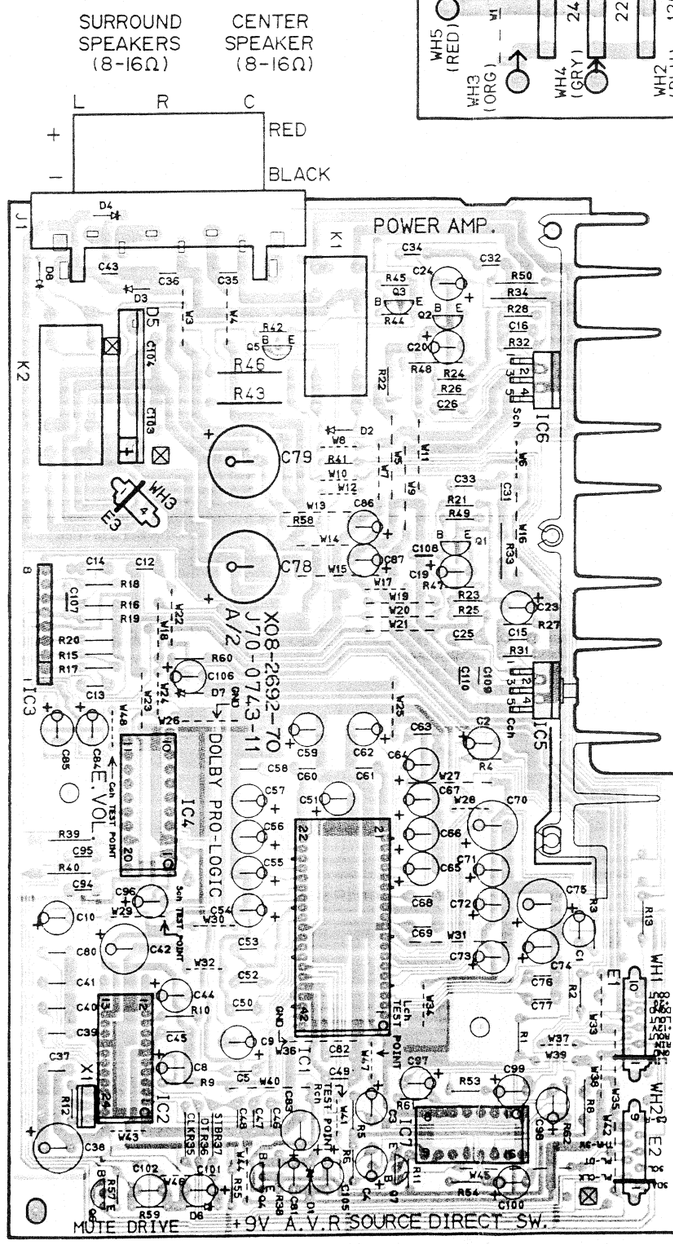
(a) Discriminator : 0V

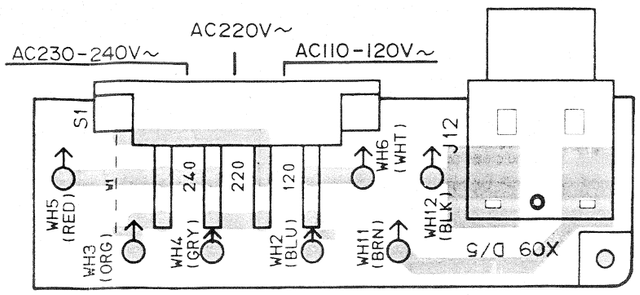
DC Voltmeter

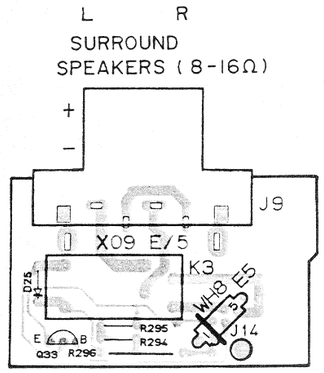
Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD(COMPONENT SIDE VIEW)

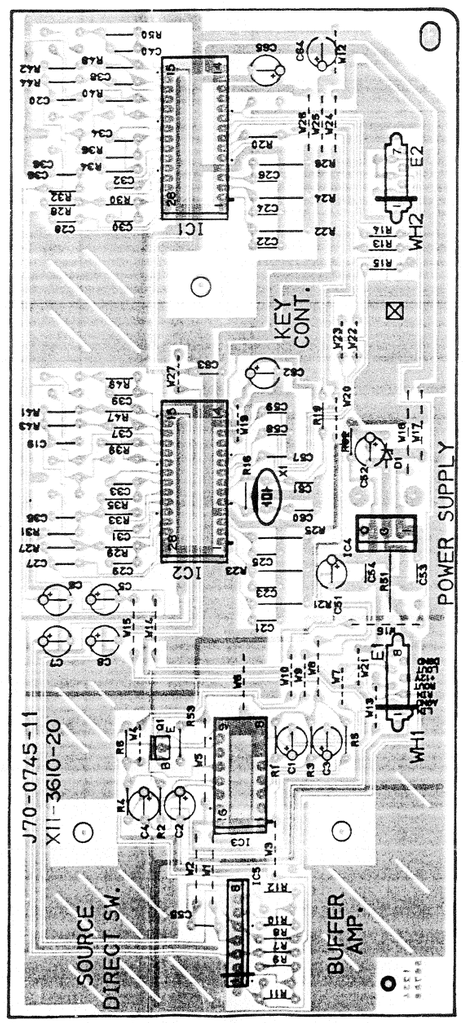
SURROUND(X08-2692)



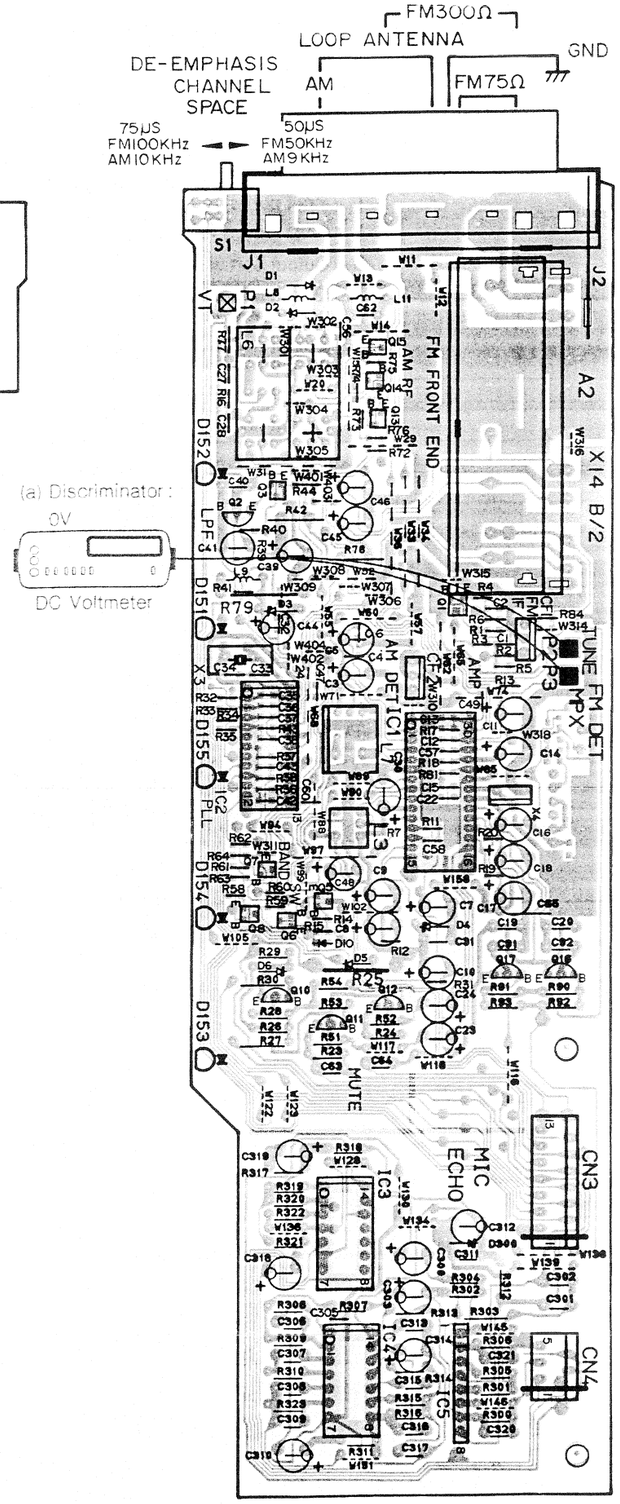




KEY CON.(X11-3610)

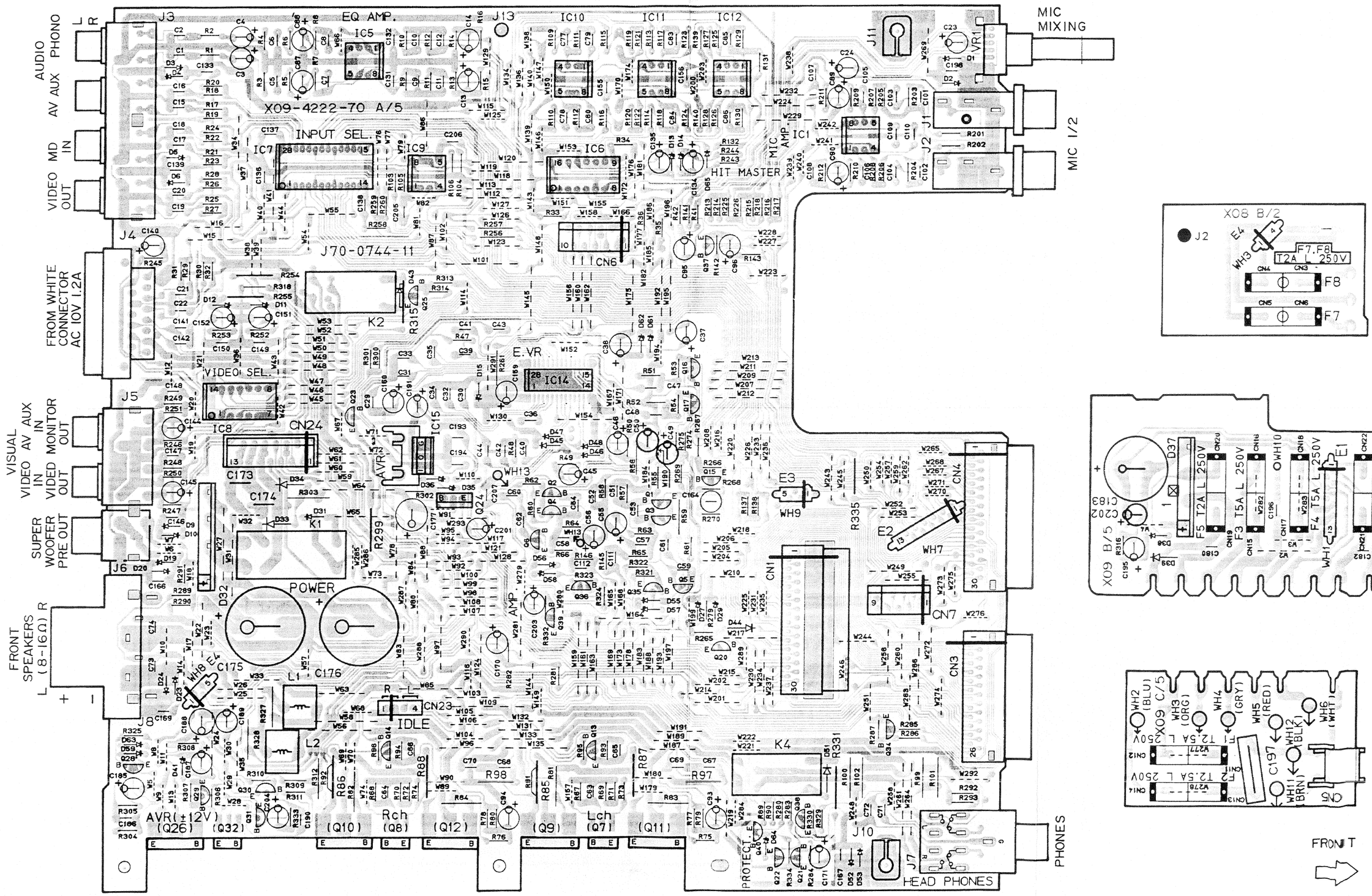


TUNER(X14-4062)



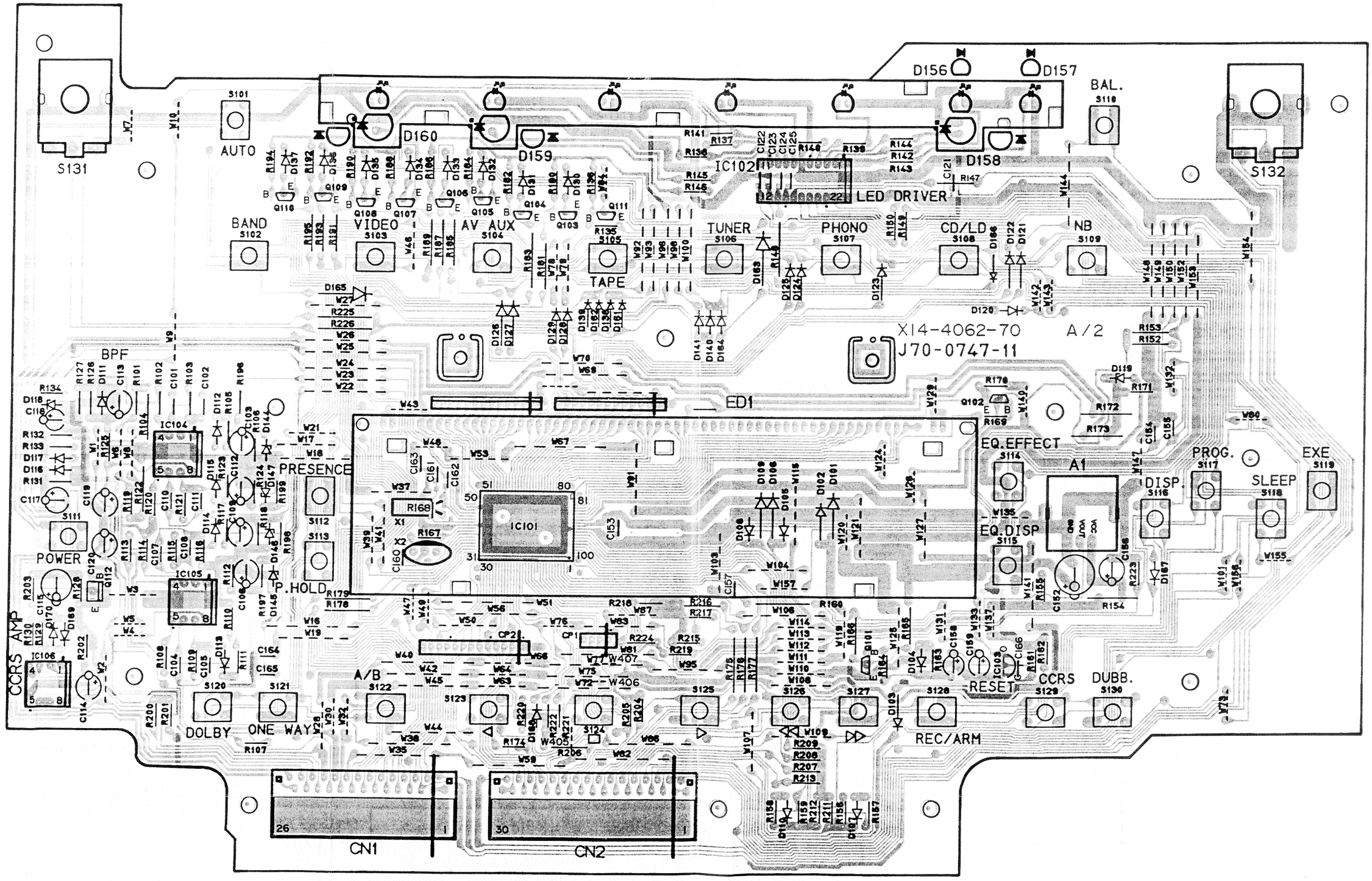
Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD(COMPONENT SIDE VIEW) AUDIO(X09-4222)



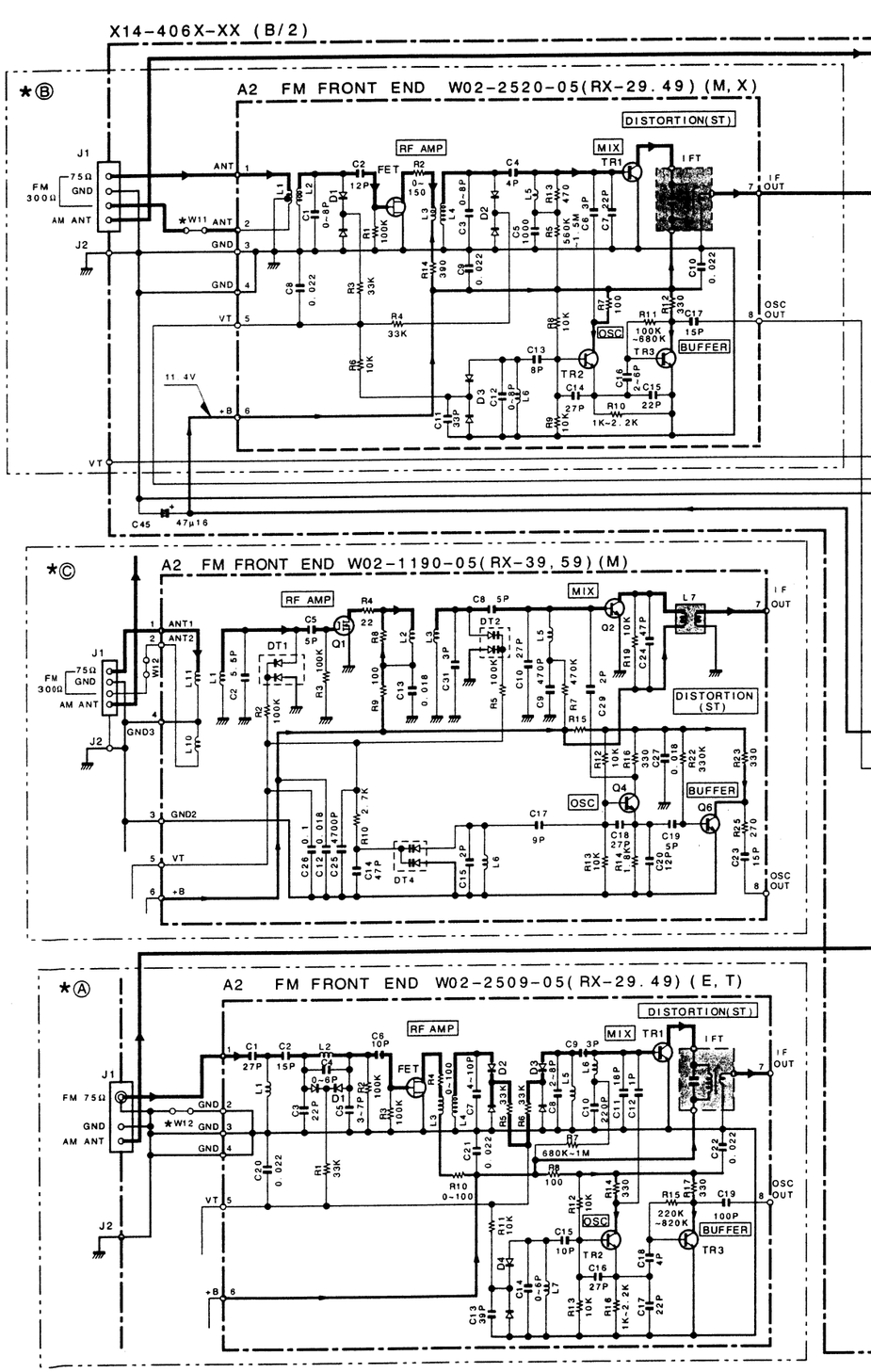
Refer to the schematic diagram for the value of resistors and capacitors.

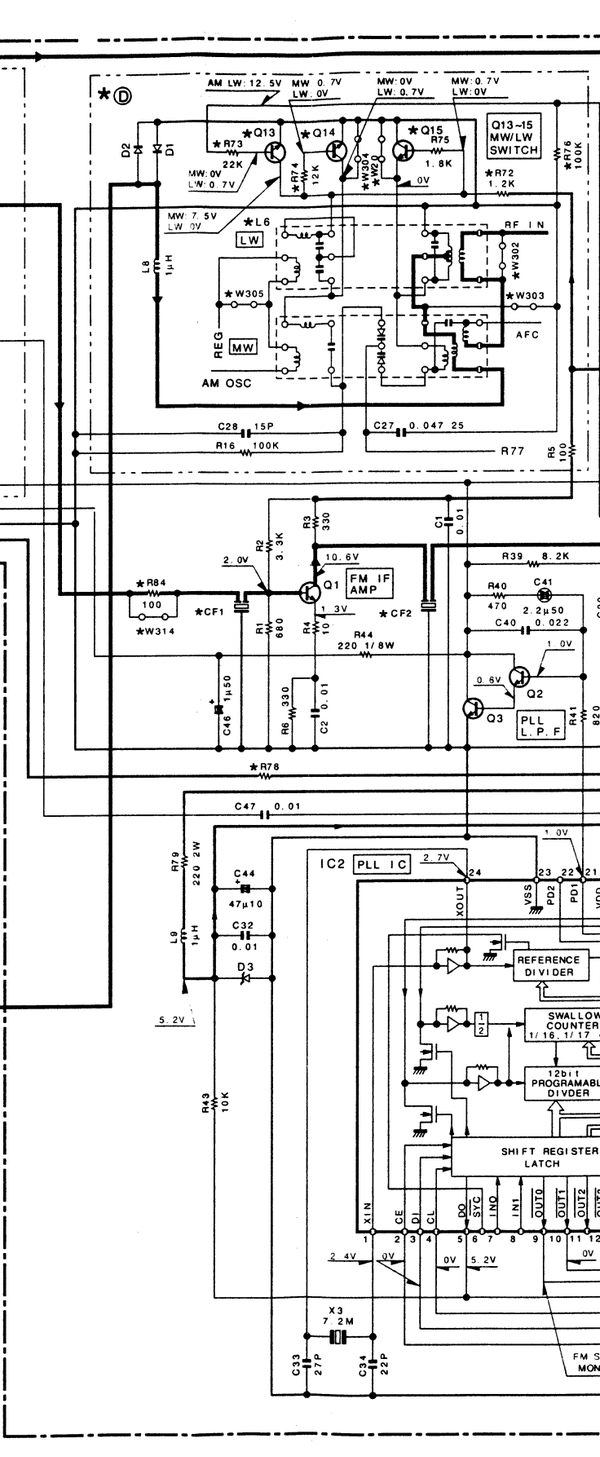
PC BOARD(COMPONENT SIDE VIEW) DISPLAY(X14-4062)

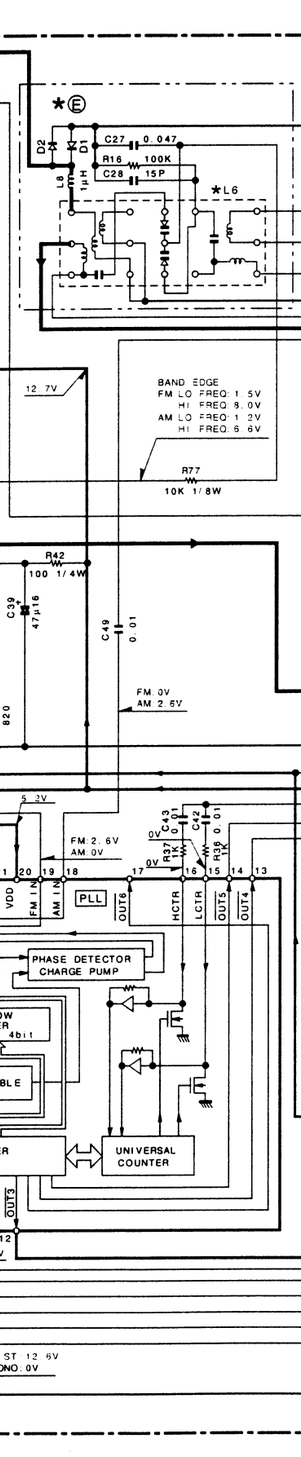


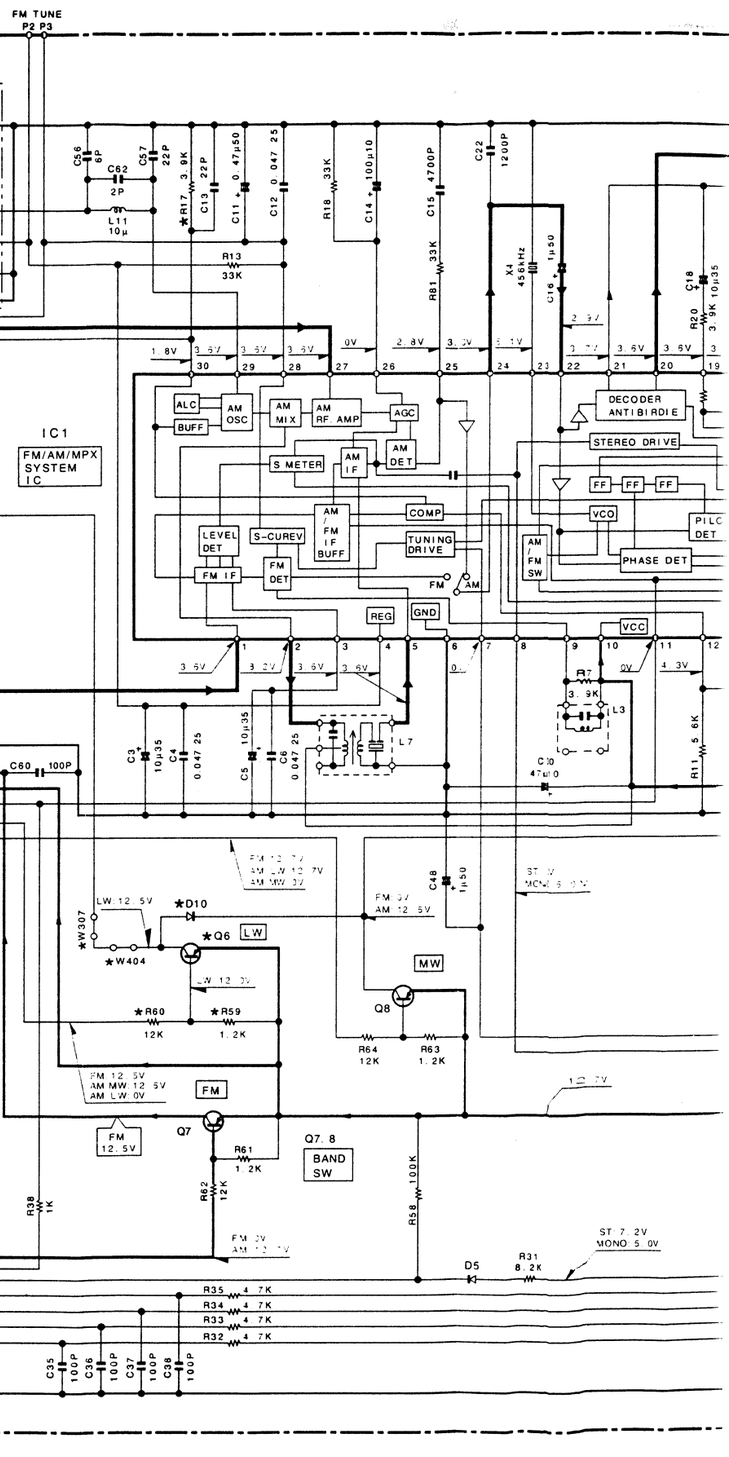
Refer to the schematic diagram for the value of resistors and capacitors.

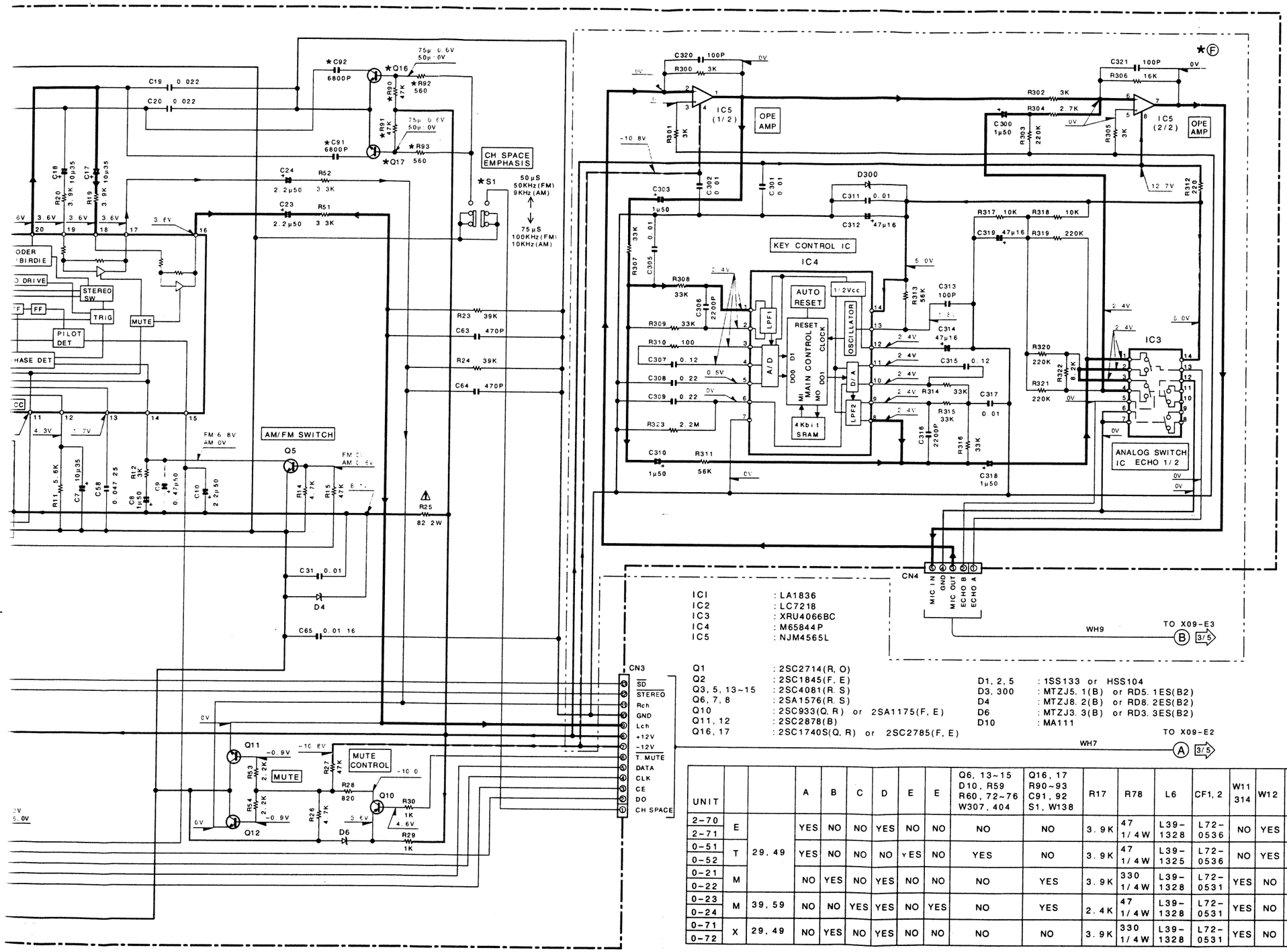
X14-406X-XX (B/2)







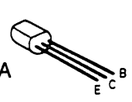




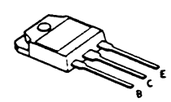
UNIT			A	B	C	D	E	E	Q6, 13~15 D10, R59 R60, 72~76 W307, 404	Q16, 17 R90~93 C91, 92 S1, W138	R17	R78	L6	CF1, 2	W11 314	W12	W20 302~305
2-70	E	29, 49	YES	NO	NO	YES	NO	NO	NO	NO	3.9K	47 1/4W	L39-1328	L72-0536	NO	YES	YES
2-71																	
0-51	T		YES	NO	NO	NO	YES	NO	YES	NO	3.9K	47 1/4W	L39-1325	L72-0536	NO	YES	NO
0-52																	
0-21	M		NO	YES	NO	YES	NO	NO	NO	YES	3.9K	330 1/4W	L39-1328	L72-0531	YES	NO	YES
0-22																	
0-23	M	39, 59	NO	NO	YES	YES	NO	YES	NO	YES	2.4K	47 1/4W	L39-1328	L72-0531	YES	NO	YES
0-24																	
0-71	X	29, 49	NO	YES	NO	YES	NO	NO	NO	NO	3.9K	330 1/4W	L39-1328	L72-0531	YES	NO	YES
0-72																	

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

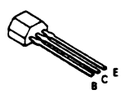
2SA992
2SC1845
2SC2003
2SC2878
2SC3246
2SC3940A
2SD1302
2SD863



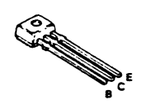
2SD2493



DTA124ES
DTC124ES
UN4112
2SA933S
2SC1740S



2SA1175
2SC2785

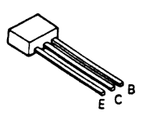


2SB1370
2SD2061

2SA1576
2SC2714
2SC4081

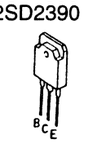
2SC4137

UN4212



2SB1375
2SD2012

2SB1560
2SD2390



RX-29/39/49/59(1/5)

Y09-4452-90

RX-29/39/49/59

KENWOOD

X28-2742-72

IC1, 2 : TA8125S
IC3 : HA12182F
IC5 : BA10393
IC6, 7 : BU4094BC

D1, 2, 4, 5, 6, 8 : 1SS133 or HSS104
D7 : RD2.7ES(B2) or HZS2.7N(B)

Q1, 2, 51, 61 : UN4212 or DTC124ES
Q3, 4 : 2SD1302(S, T) or 2SD1450(S, T)
Q52, 56, 57, 59 : 2SC2785(F, E) or 2SC1740S(Q, R)
Q53 : UN4112 or DTA124ES
Q54, 55 : 2SC1845(F, E)
Q58 : 2SC3940A(R, S)
Q60 : 2SA992(F, E)
Q63~65 : 2SC3246

REVERSE HEAD

(A MECHA)
COM(-) BLUE
Rch(+) RED
Lch(+) WHITE

(B MECHA)
COM(-) BLUE
E(+) GRAY
E(-) BLACK
Rch(+) RED
Lch(+) WHITE

A(PB) MECHA
PHOTO REFLECTOR
R-CH
L-CH
SOL
PLAY
CrO2
PACK
NC
A-PLAY
PHOTO CATHODE
A-CrO2
COM
MECHA +12V
A-PH
A-SOL
A-PACK

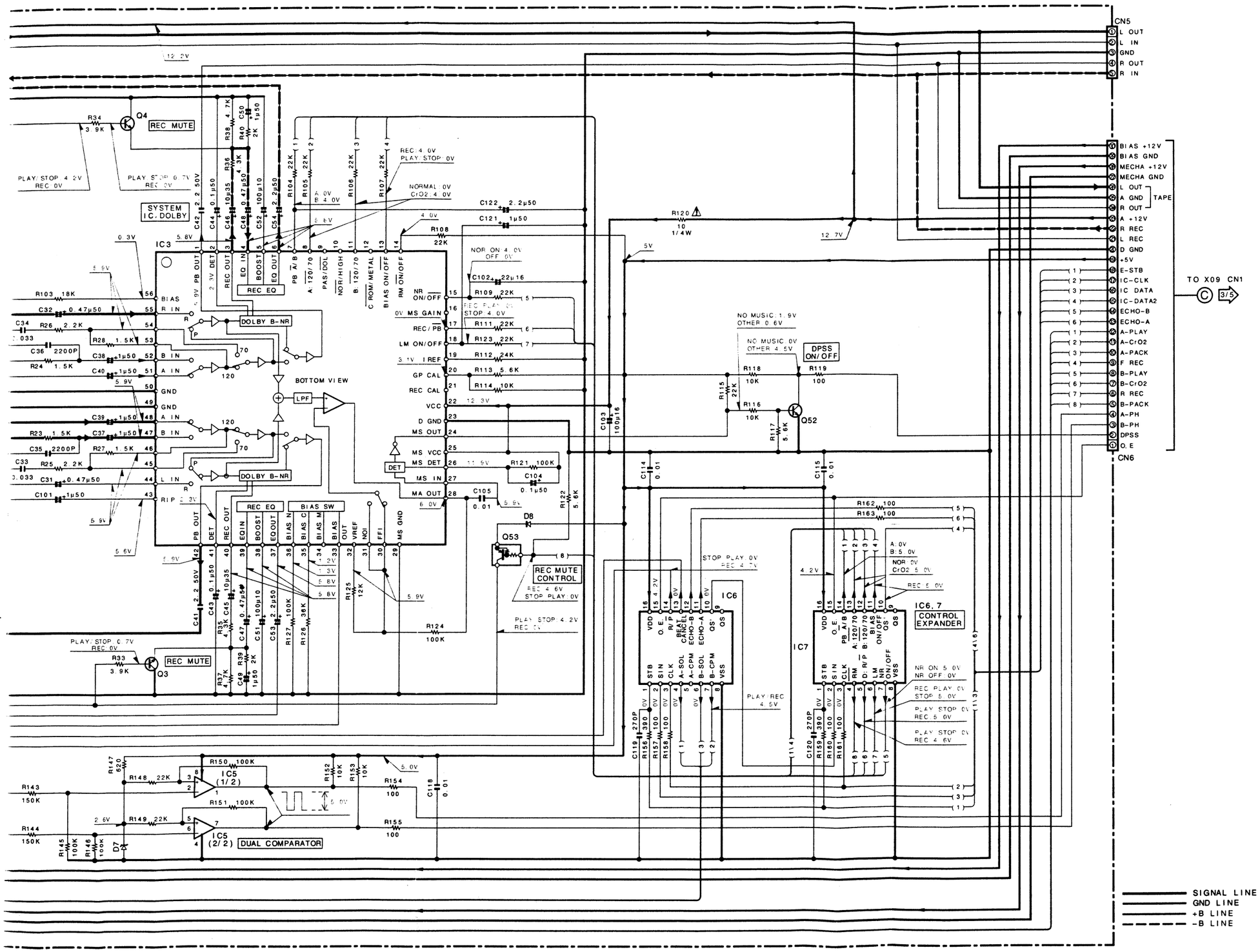
B(RP) MECHA
MS15U2LWA
(B)
(A)
(+)
(-)
EH
F REC
B-PLAY
B-CrO2
B-MOTOR
FWD REC
RVS REC
B-PH
B-SOL
B-PACK

CN1 CN2 CN3 CN4

IC1 (1/2) IC1 (2/2) IC2 (1/2) IC2 (2/2)

A PB AMP
AMP B PB
RCH
LCH
REC/PLAY SELECT
MUTE
BIAS OSC
BIAS OSC SW
BEAT CANCEL SW
BEAT CANCEL CONTROL
A DECK SOL/CONTROL
B DECK SOL/CONTROL
MOTOR CONTROL

REC MODE VOLTAGE



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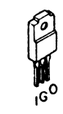
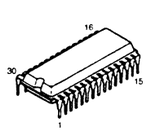
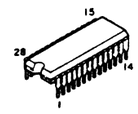
UPC7805AHF



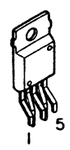
LA1836



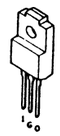
M65840SP



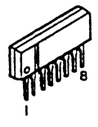
TDA2050V



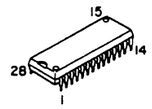
TA7805S



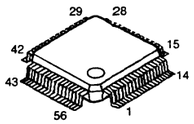
NJM4565L
NJM4565L-D



NJU7313AL



HA12182F



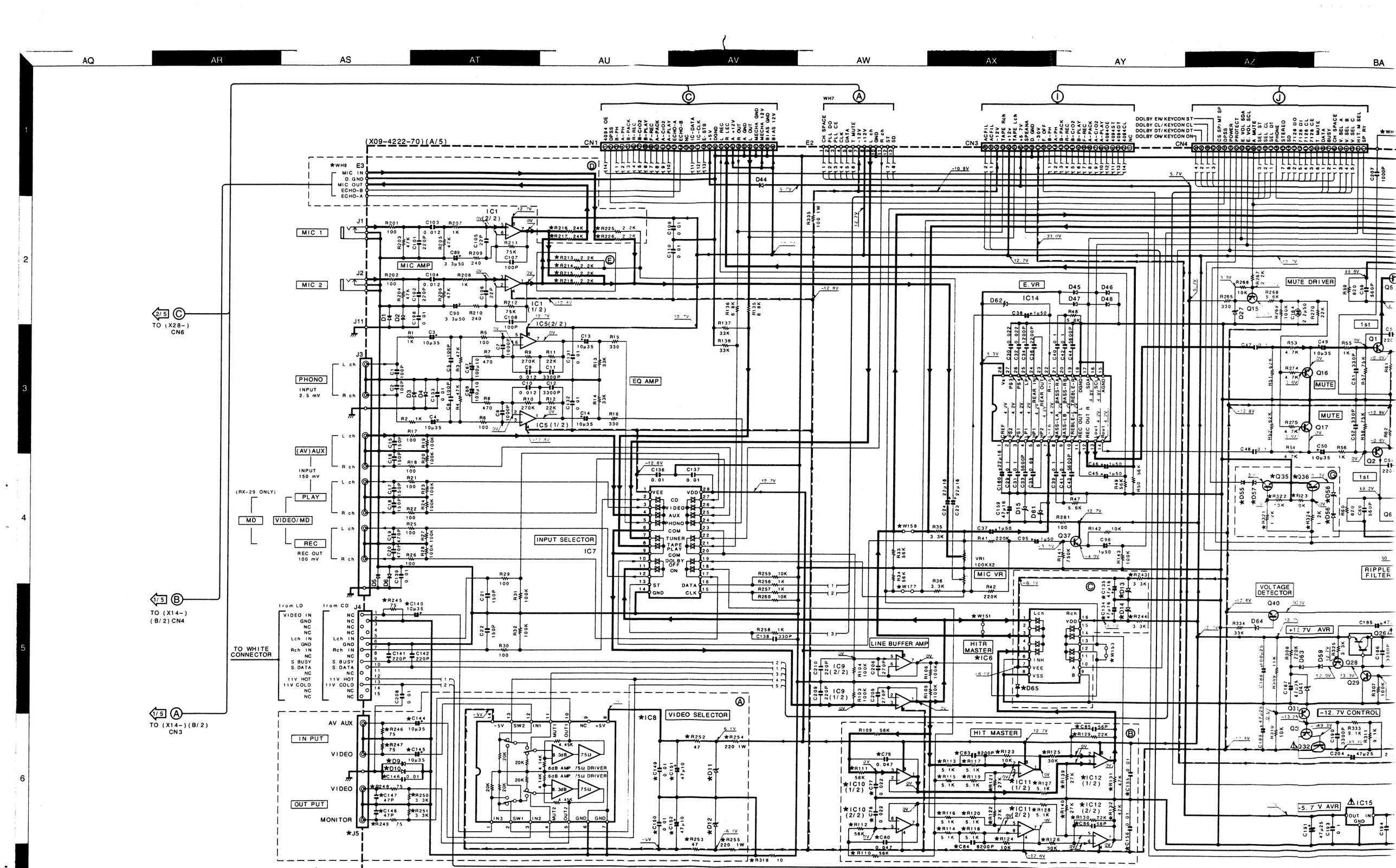
SIGNAL LINE
GND LINE
+B LINE
-B LINE

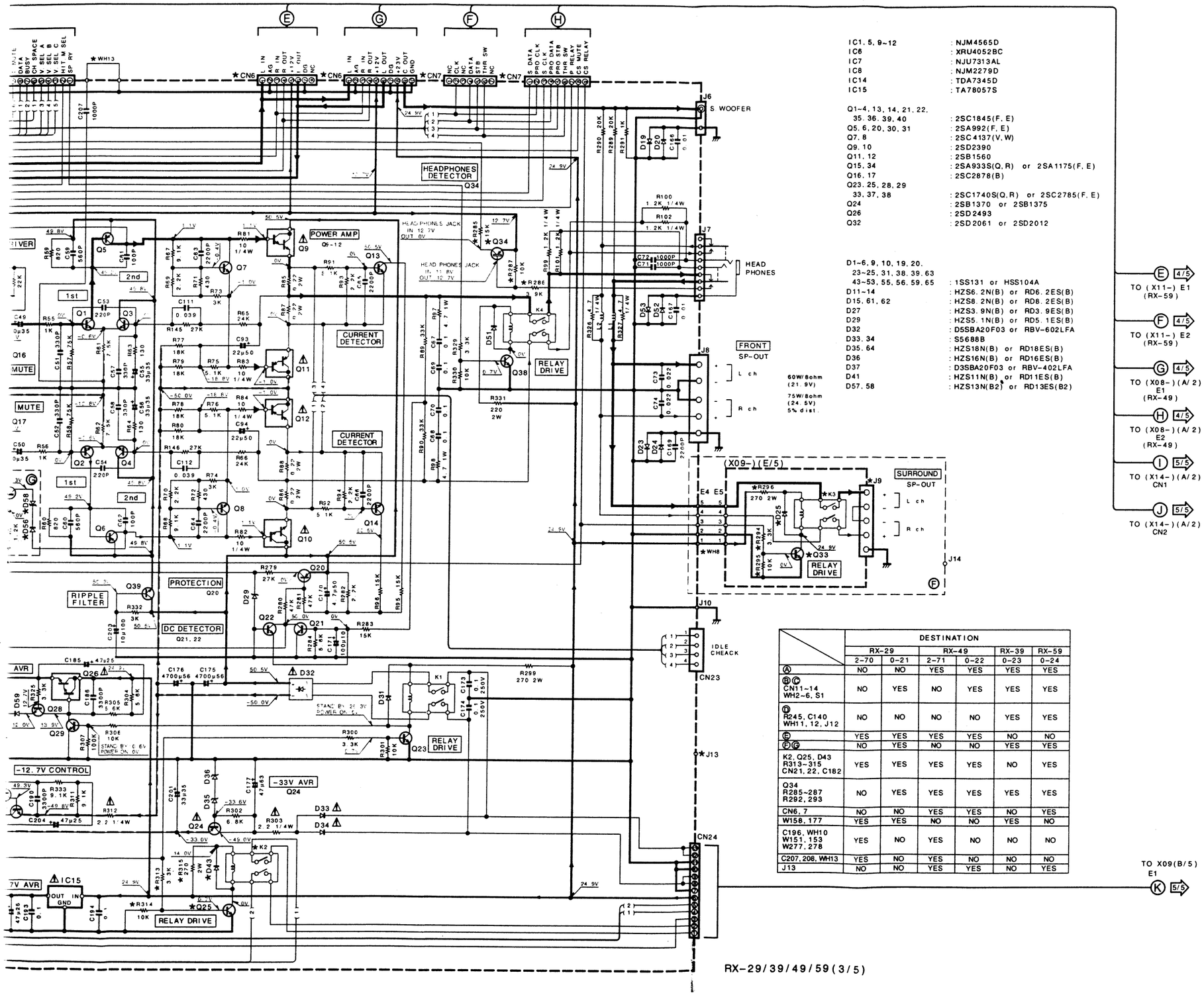
RX-29/39/49/59(2/5)

Y09-4452-90

RX-29/39/49/59

KENWOOD


(X09-4222-70)(A/5)
CN1
CN3
CN4
E2
WH7
MIC 1
MIC 2
MIC AMP
PHONO
INPUT 2.5 mV
(AV)AUX
INPUT 150 mV
PLAY
(RX-29 ONLY)
MD
VIDEO/MD
REC
REC OUT 100 mV
EQ AMP
INPUT SELECTOR
IC7
TO WHITE CONNECTOR
from LD
from CD
TO (X28-) CN6
TO (X14-) (B/2) CN4
TO (X14-)(B/2) CN3
IN PUT
OUT PUT
AV AUX
VIDEO
MONITOR
VIDEO SELECTOR
IC8
LINE BUFFER AMP
HITR MASTER
IC6
MIC VR
VR1 100KX2
HIT MASTER
E.VR
MUTE DRIVER
MUTE
1st
VOLTAGE DETECTOR
+12.7V AVR
-12.7V CONTROL
-5.7 V AVR
RIPPLE FILTER
DOLBY EN/ KEYCON ST
DOLBY CL/ KEYCON CL
DOLBY DT/ KEYCON DT
DOLBY ON/ KEYCON ON



IC1, 5, 9~12	: NJM4565D
IC6	: XRU4052BC
IC7	: NJU7313AL
IC8	: NJM2279D
IC14	: TDA7345D
IC15	: TA78057S
Q1~4, 13, 14, 21, 22, 35, 36, 39, 40	: 2SC1845(F, E)
Q5, 6, 20, 30, 31	: 2SA992(F, E)
Q7, 8	: 2SC4137(V, W)
Q9, 10	: 2SD2390
Q11, 12	: 2SB1560
Q15, 34	: 2SA933S(Q, R) or 2SA1175(F, E)
Q16, 17	: 2SC2878(B)
Q23, 25, 28, 29, 33, 37, 38	: 2SC1740S(Q, R) or 2SC2785(F, E)
Q24	: 2SB1370 or 2SB1375
Q26	: 2SD2493
Q32	: 2SD2061 or 2SD2012
D1~6, 9, 10, 19, 20, 23~25, 31, 38, 39, 63, 43~53, 55, 56, 59, 65	: 1SS131 or HSS104A
D11~14	: HZS6.2N(B) or RD6.2ES(B)
D15, 61, 62	: HZS8.2N(B) or RD8.2ES(B)
D27	: HZS3.9N(B) or RD3.9ES(B)
D29	: HZS5.1N(B) or RD5.1ES(B)
D32	: D5SBA20F03 or RBV-602LFA
D33, 34	: S5688B
D35, 64	: HZS18N(B) or RD18ES(B)
D36	: HZS16N(B) or RD16ES(B)
D37	: D3SBA20F03 or RBV-402LFA
D41	: HZS11N(B) or RD11ES(B)
D57, 58	: HZS13N(B2) or RD13ES(B2)

60W/8ohm (21.9V)
75W/8ohm (24.5V) 5% dist.

	DESTINATION					
	RX-29		RX-49		RX-39	RX-59
	2-70	0-21	2-71	0-22	0-23	0-24
Ⓐ	NO	NO	YES	YES	YES	YES
ⒷⒸ CN11~14 WH2-6, S1	NO	YES	NO	YES	YES	YES
Ⓓ R245, C140 WH11, 12, J12	NO	NO	NO	NO	YES	YES
Ⓔ	YES	YES	YES	YES	NO	NO
ⒻⒼ	NO	YES	NO	NO	YES	YES
K2, Q25, D43 R313~315 CN21, 22, C182	YES	YES	YES	YES	NO	YES
Q34 R285~287 R292, 293	NO	YES	YES	YES	YES	YES
CN6, 7	NO	NO	YES	YES	NO	YES
W158, 177	YES	YES	NO	NO	YES	NO
C196, WH10 W151, 153 W277, 278	YES	NO	YES	NO	NO	NO
C207, 208, WH13	YES	NO	YES	NO	NO	NO
J13	NO	NO	YES	YES	NO	YES

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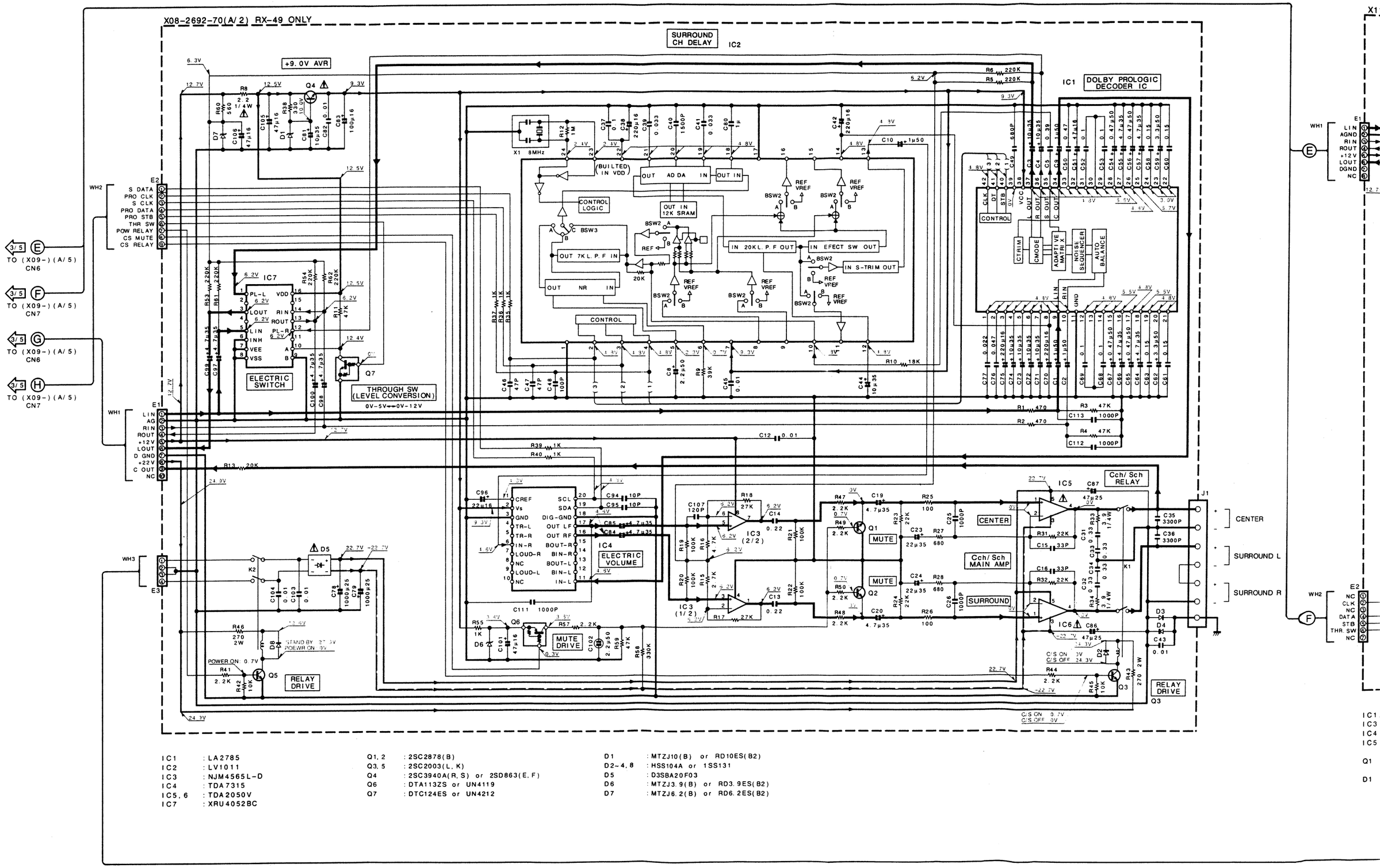
RX-29/39/49/59(3/5)

Y09-4452-90

RX-29/39/49/5

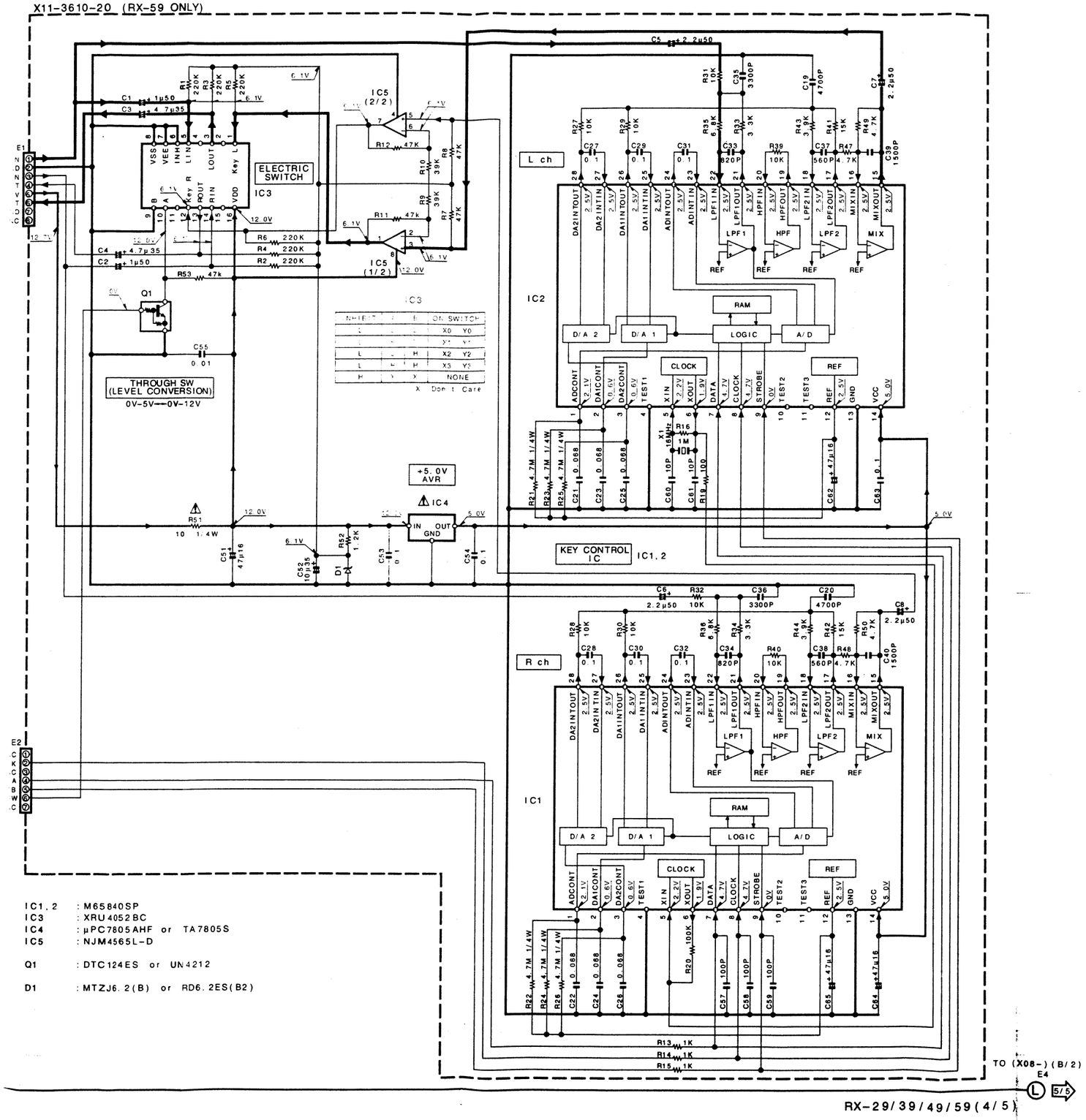
KENWOOD

X08-2692-70(A/2) RX-49 ONLY



IC1	: LA2785	Q1, 2	: 2SC2878(B)	D1	: MTZJ10(B) or RD10ES(B2)
IC2	: LV1011	Q3, 5	: 2SC2003(L, K)	D2~4, 8	: HSS104A or 1SS131
IC3	: NJM4565L-D	Q4	: 2SC3940A(R, S) or 2SD863(E, F)	D5	: D3SBA20F03
IC4	: TDA7315	Q6	: DTA113ZS or UN4119	D6	: MTZJ3.9(B) or RD3.9ES(B2)
IC5, 6	: TDA2050V	Q7	: DTC124ES or UN4212	D7	: MTZJ6.2(B) or RD6.2ES(B2)
IC7	: XRU4052BC				

X11-3610-20 (RX-59 ONLY)



IC1, 2 : M65840SP
IC3 : XRU4052BC
IC4 : μPC7805AHF or TA7805S
IC5 : NJM4565L-D

Q1 : DTC124ES or UN4212

D1 : MTZJ6.2(B) or RD6.2ES(B2)

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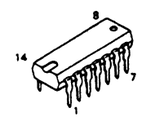
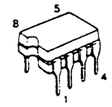
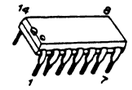
XRU4066BC



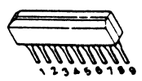
NJM4565D



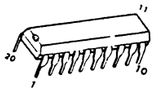
NJM2279D



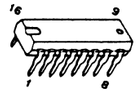
TA8125S



TDA7315

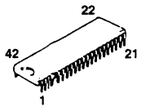


BU4094BC

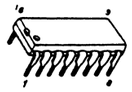


BA10393

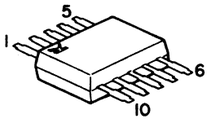
LA2785



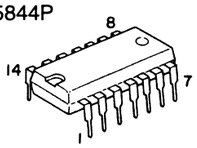
XRU4052BC



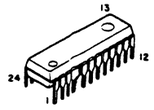
NJU3715L



M65844P



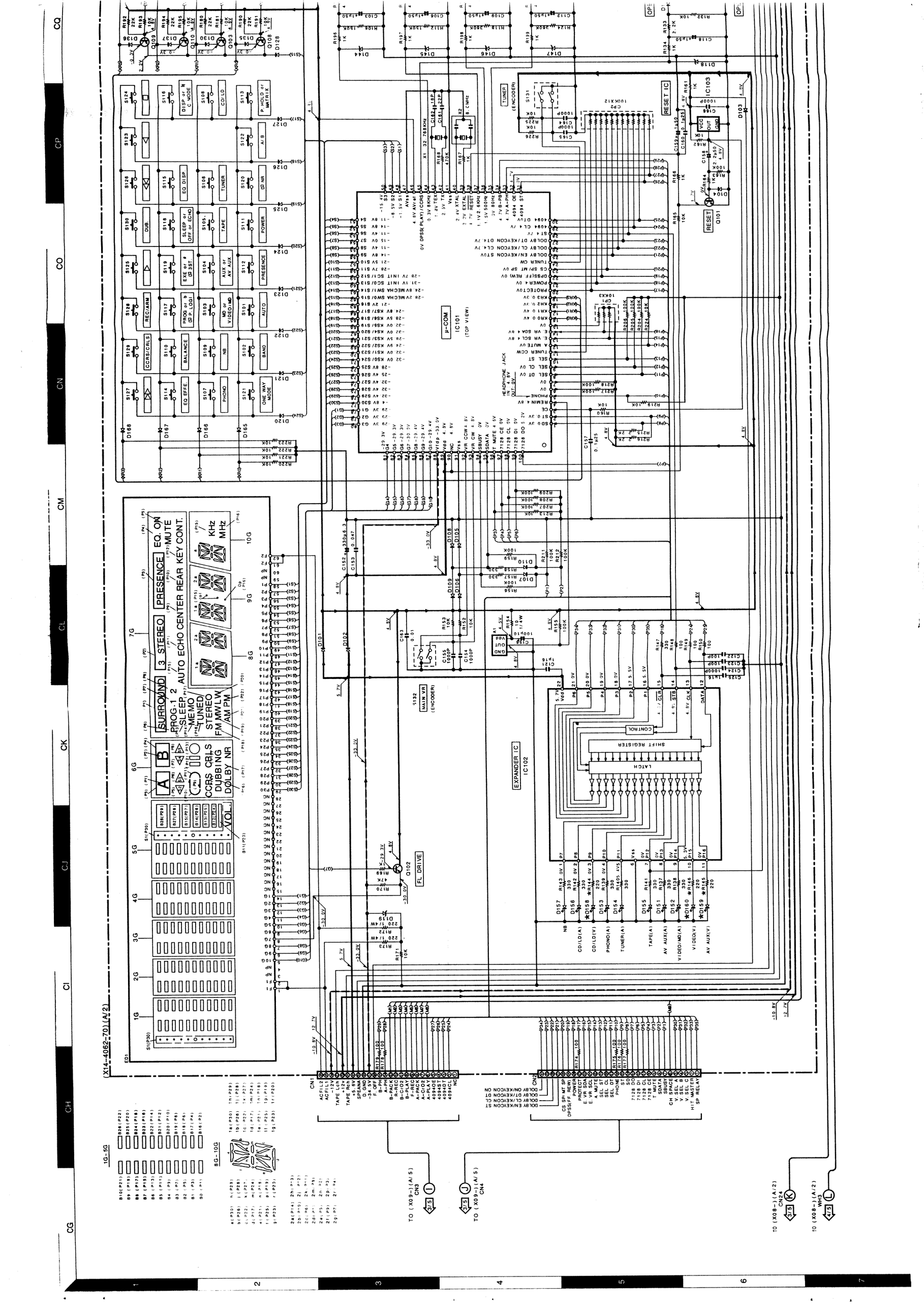
LC7218
LV1011



Y09-4452-90

RX-29/39/49/59

KENWOOD


μ-COM
IC101
(TOP VIEW)
EXPANDER IC
IC102
RESET IC
IC103
TUNER
(ENCODER)
FL DRIVE
Q102
RESET
Q101
MAIN VR
(ENCODER)
CONTROL
SHIFT REGISTER
LATCH
HEADPHONE JACK
SURROUND
PROG.1 2
SLEEP
MEMO
TUNED
STEREO
FM MW LW
AM FM
CCRS CRLS
DUBBING
DOLBY NR
VOL
PRESENCE
EQ. ON
MUTE
3 STEREO
AUTO ECHO CENTER REAR KEY CONT.
KHz
MHz
TO (X09-)(A/5) CN3
TO (X09-)(A/5) CN4
TO (X08-)(A/2) CN24
TO (X08-)(A/2) WH3
(X14-4062-70)(A/2)

	2-70	2-71	0-51	0-52	0-21	0-22	0-23	0-24	0-71	0-72
	RX-29	RX-49	RX-29	RX-49	RX-29	RX-49	RX-39	RX-59	RX-29	RX-49
D138	NO	NO	NO	NO	NO	NO	YES	YES	NO	NO
D139	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES
D140	NO	NO	NO	NO	YES	NO	YES	YES	NO	NO
D141	NO	NO	NO	NO	YES	YES	YES	YES	NO	NO
D161	YES	YES	NO	NO	YES	YES	YES	YES	YES	YES
D162	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO
W84, D163, Q111 R135, R136	NO	NO	NO	NO	YES	YES	YES	YES	NO	NO
D164	NO	NO	YES	YES	NO	NO	NO	NO	NO	NO
D158, R144	NO	NO	NO	NO	NO	NO	YES	YES	NO	NO
D159, R145 D160, R146	NO	YES	NO	YES	NO	YES	YES	YES	NO	YES

IC101 : CXP82440A-123Q
IC102 : NJU3715L
IC103 : PST9140-T
IC104, 105, 106 : NJM4565D

Q101, 102 : 2SC1740S(Q,R) or 2SC2785(F,E)
Q103-111 : 2SA933S(Q,R) or 2SA1175(F,E)
Q112 : UN4212 or DTC124ES

D101-117, 130-137, 165-170 : 1SS133 or HSS104

D120-129, 138-141, 161-164 : 1SS131 or HSS104A
D118, 144-147 : MTZ5.1(B) or RD5.1ES(B2)
D119 : MTZJ5.6(B) or RD5.6ES(B2)
D151-157 : B30-1012-05
D158-160, : B30-2462-05
ED1 : BJ376GK

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

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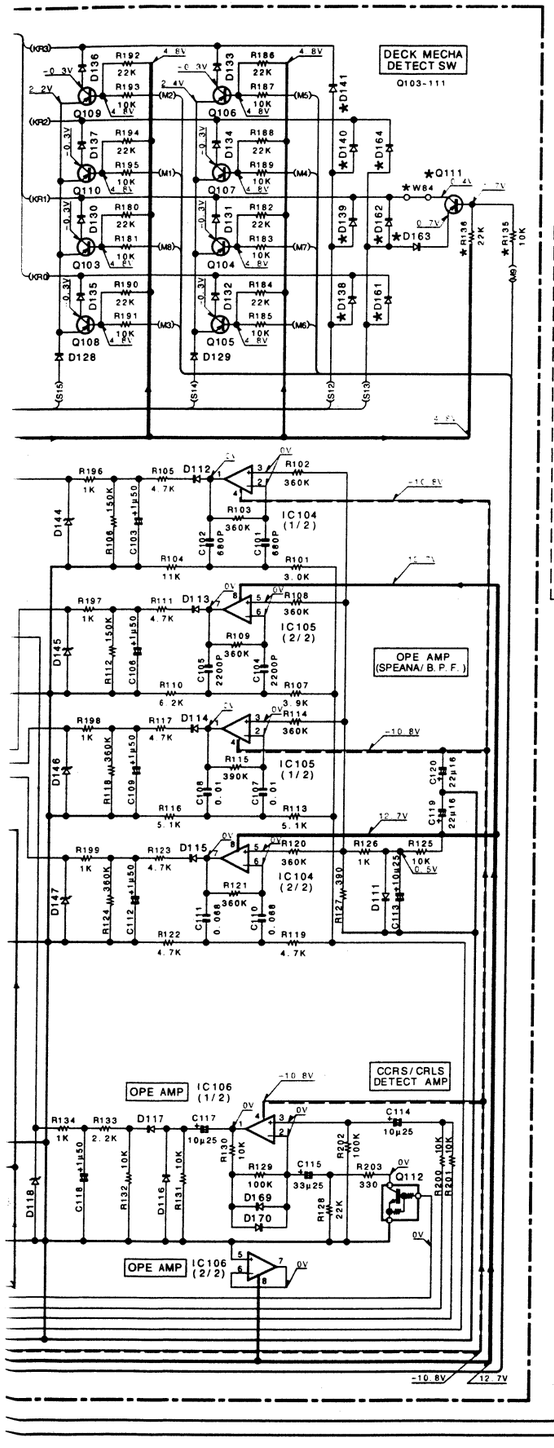
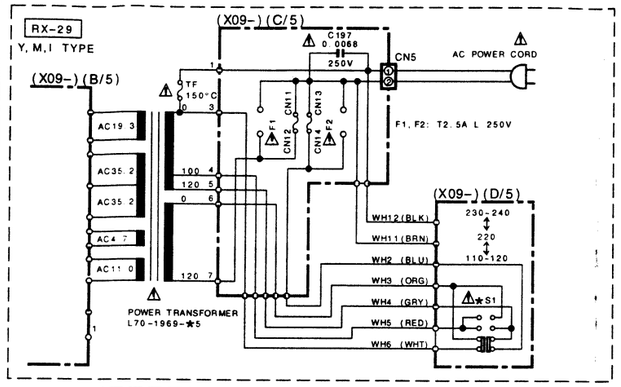
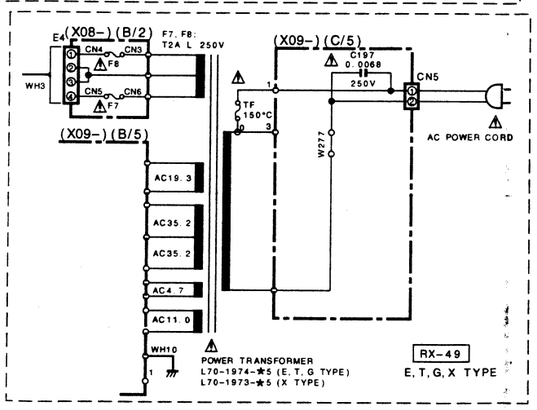
DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

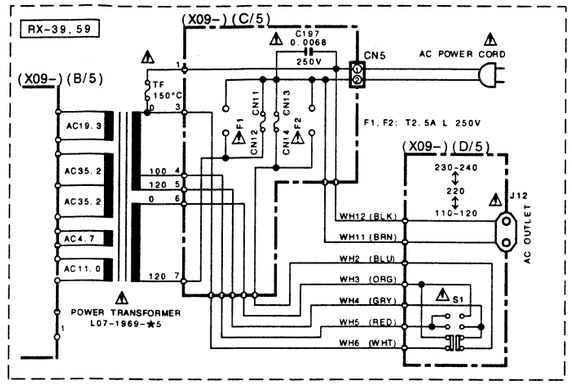
Les tensions c.c doivent être mesurées avec un voltmetre á haute impédance Les valeurs peuvent différer légérement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels

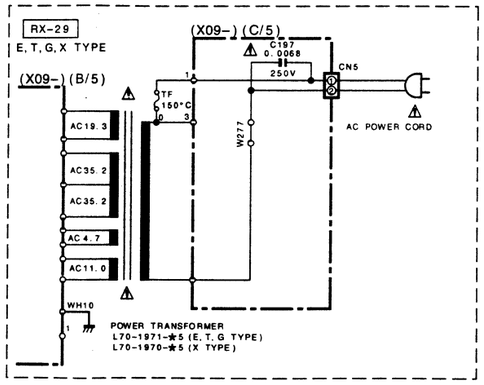
Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U geringfügig.



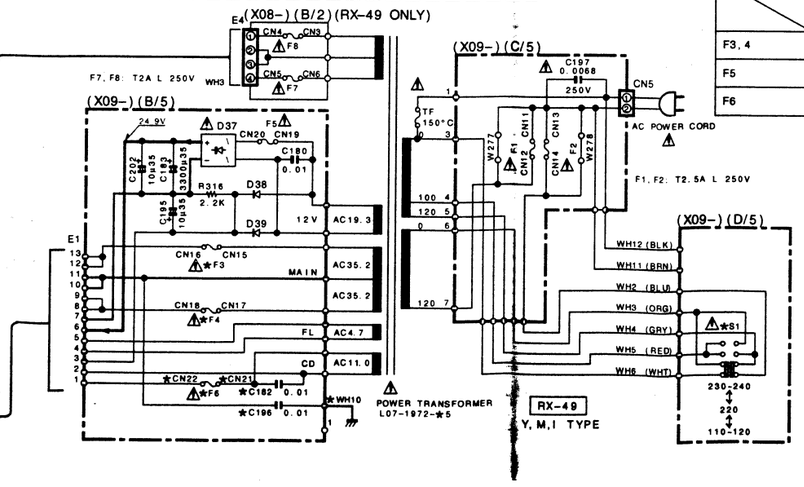








	DESTINATION					
	RX-29		RX-49		RX-39	RX-59
	2-70	0-21	2-71	0-22	0-23	0-24
F3, 4	250V	T5A L 250V	T5A L 250V	T5A L 250V	T5A L 250V	T5A L 250V
F5	250V	T2A L 250V	T2A L 250V	T2A L 250V	T2A L 250V	T2A L 250V
F6	250V	T2A L 250V	T2A L 250V	T2A L 250V	NO	T2A L 250V



RX-29/39/48/59(5/5)

Y09-4452-90

RX-29/39/49/5

KENWOOD

EXPLODED VIEW (MECHANISM)

S	M2x5 Tap	:N09-1497-08
T	M2x6 Tap	:N09-2871-08
U	HEAD SCREW	:N09-2876-08
V	M2.6x6 (Bi-Tap)	:N09-3135-08
W	M2x3 Tap	:N09-3195-08
Y	M2x4 (Bi-Tap)	:N09-2901-08
Z	AZIMUTH SCREW	:N09-3112-08
AA	POLY WS	:N19-1316-08
AB	NYLON WASHER	:N19-1354-08
AC	POLY WS	:N19-1288-08
AD	NYLON WASHER	:N19-1355-08
AE	POLY WASHER	:N19-1385-08
AF	POLY WASHER	:N19-1386-08
AG	TEFRON WS	:N19-1387-08
AH	POLY WS	:N19-1388-08
AJ	M2.6x4 Bi	:N35-2604-46
AK	POLY WS	:N19-1035-08
AL	POLY WS	:N19-1396-08
AM	POLY WASHER	:N19-1384-08

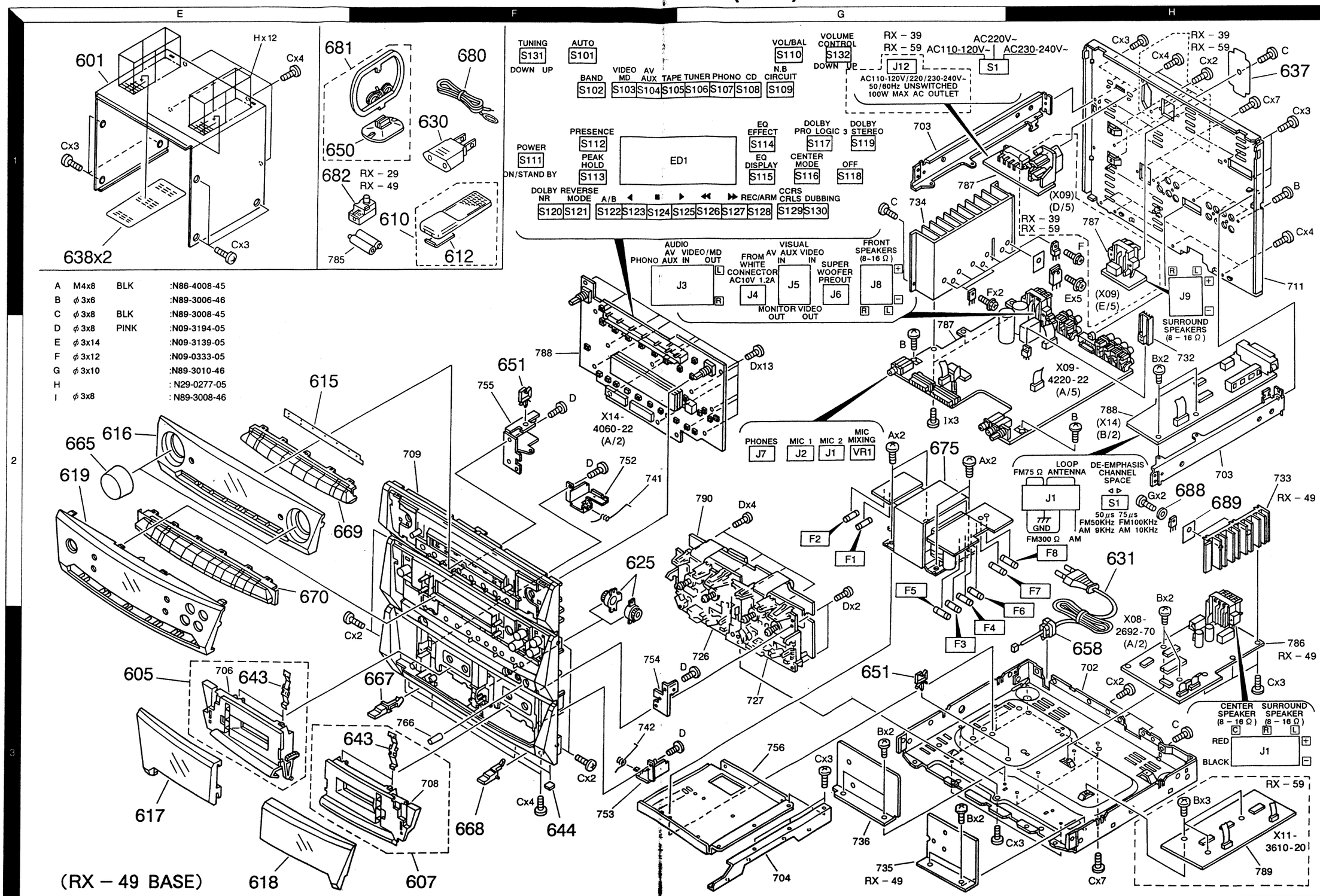
● POINT WHICH SHOULD BE GREASED
Dow corning
❶ Grease (EM-30L) : 410-0013-05
❷ E-Paste (Grease) : 410-0015-05

GT-2400W

Parts with the exploded numbers larger than 700 are not supplied.

RX-29/39/49/59

EXPLODED VIEW (UNIT)



A	M4x8	BLK	:N86-4008-45
B	φ3x6		:N89-3006-46
C	φ3x8	BLK	:N89-3008-45
D	φ3x8	PINK	:N09-3194-05
E	φ3x14		:N09-3139-05
F	φ3x12		:N09-0333-05
G	φ3x10		:N89-3010-46
H			: N29-0277-05
I	φ3x8		: N89-3008-46

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NO. 1

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
RX-29/39/49/59						
601	1D	*	A01-3266-01	METALLIC CABINET		
605	3D	*	A53-1902-13	CASSETTE HOLDER ASSY		
607	3E	*	A53-1904-13	CASSETTE HOLDER ASSY		
610	1E	*	A70-1024-05	REMOTE CONTROLLER ASSY		2
610	1E	*	A70-1025-05	REMOTE CONTROLLER ASSY		4
610	1E	*	A70-1026-05	REMOTE CONTROLLER ASSY		5
610	1E	*	A70-1035-05	REMOTE CONTROLLER ASSY		3
611	1E	*	A09-0194-08	BATTERY COVER		
615	2D		B03-2961-04	DRESSING PLATE		
616	2D	*	B10-2140-12	FRONT GLASS		2
616	2D	*	B10-2141-12	FRONT GLASS		4
616	2D	*	B10-2142-12	FRONT GLASS		3
616	2D	*	B10-2143-12	FRONT GLASS		5
617	3D	*	B10-2147-02	FRONT GLASS		
618	3D	*	B10-2148-02	FRONT GLASS		
619	2D	*	B10-2146-12	FRONT GLASS	YMI	2
619	2D	*	B10-2151-12	FRONT GLASS	XTGE	2
619	2D	*	B10-2152-12	FRONT GLASS		4
619	2D	*	B10-2153-12	FRONT GLASS		3
619	2D	*	B10-2154-12	FRONT GLASS		5
-			B46-0096-53	WARRANTY CARD	X	
-		*	B46-0307-23	WARRANTY CARD	Y	
-			B46-0310-03	WARRANTY CARD	TGE	
-		*	B46-0319-00	QUESTIONAIRE CARD	T	
-			B58-0964-13	CAUTION CARD (UL)	Y	
-		*	B58-0965-13	CAUTION CARD (PL)	XT	
-		*	B58-0966-13	CAUTION CARD (PL)	MIE	
-		*	B58-0968-04	CAUTION CARD	Y	
-		*	B58-0970-13	CAUTION CARD (PL)	G	
-		*	B59-1104-00	SERVICE DIRECTORY	Y	
-		*	B60-2238-00	INST MANU(ENGLISH)	YMIXTE	2
-		*	B60-2238-00	INST MANU(ENGLISH)	YMIXTE	4
-		*	B60-2239-00	INST MANU(FRENCH)	E	2
-		*	B60-2239-00	INST MANU(FRENCH)	E	4
-		*	B60-2240-00	INST MANU(GERMANY	E	2
-		*	B60-2241-00	INST MANU(DUTCH)	E	2
-		*	B60-2241-00	INST MANU(DUTCH)	E	4
-		*	B60-2242-00	INST MANU(ITALY)	E	2
-		*	B60-2242-00	INST MANU(ITALY)	E	4
-		*	B60-2243-00	INST MANU(SPANISH)	ME	2
-		*	B60-2243-00	INST MANU(SPANISH)	ME	4
-		*	B60-2244-00	INST MANU(CHINESE)	MI	2
-		*	B60-2244-00	INST MANU(CHINESE)	MI	4
-		*	B60-2245-00	INST MANU(TIWAN)	M	2
-		*	B60-2245-00	INST MANU(TIWAN)	M	4
-		*	B60-2246-00	INST MANU(ENGLISH)	E	5
-		*	B60-2248-00	INST MANU(CHINESE)	MI	5
-		*	B60-2249-00	INST MANU(TIWAN)	M	5
-		*	B60-2329-00	INST MANU(ENGLISH)	MI	3
-		*	B60-2331-00	INST MANU(CHINESE)	MI	3
-		*	B60-2332-00	INST MANU(TIWAN)	M	3
625	2E		D39-0316-05	DAMPER		

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NO. 2

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
⚠ 630	1E		E03-0115-05	AC PLUG ADAPTER	MI	
⚠ 631	2G		E30-2592-15	AC POWER CORD	MIGE	
⚠ 631	2G		E30-2605-05	AC POWER CORD	Y	
⚠ 631	2G		E30-2717-05	AC POWER CORD	X	
⚠ 631	2G		E30-2721-05	AC POWER CORD	T	
637	1G	*	F20-1459-04	INSULATING SHEET		
638	1D	*	F20-1460-03	INSULATING BOARD	MI	
643	3D3E		G02-1040-04	FLAT SPRING		
644	3E		G11-2200-04	CUSHION		
		*	H50-1612-04	ITEM CARTON CASE	YGE	2
		*	H50-1613-04	ITEM CARTON CASE	XT	2
		*	H50-1614-04	ITEM CARTON CASE	MI	2
		*	H50-1615-04	ITEM CARTON CASE	YE	4
		*	H50-1616-04	ITEM CARTON CASE	XT	4
		*	H50-1617-04	ITEM CARTON CASE	MI	4
		*	H50-1618-04	ITEM CARTON CASE		3
		*	H50-1619-04	ITEM CARTON CASE		5
		*	H50-1656-04	ITEM CARTON CASE (SINGAPORE)	E	2
-		*	H10-7081-12	POLYSTYRENE FOAMED FIXTURE(L)	YMIGE	
-		*	H10-7082-12	POLYSTYRENE FOAMED FIXTURE(R	YMIGE	
-		*	H10-7083-12	POLYSTYRENE FOAMED FIXTURE(L)	XT	
-		*	H10-7084-12	POLYSTYRENE FOAMED FIXTURE(R)	XT	
-			H25-0232-04	PROTECTION BAG (235X350X0.03)	YMIXG	
-			H25-0632-24	PROTECTION BAG	E	
-			H25-0651-04	PROTECTION BAG (0232)	T	
-			H25-1508-04	PROTECTION BAG	YXTGE	
-			H25-1509-04	PROTECTION BAG	MI	
651	3F		J11-0141-05	WIRE CLAMPER		
⚠ 658	3G		J42-0083-05	POWER CORD BUSHING		
-	29		J61-0307-05	WIRE BAND		
665	2D		K29-6043-04	KNOB (TUNING,VOLUME)		
667	3E	*	K29-6193-04	KNOB (EJECT A)		
668	3E	*	K29-6194-04	KNOB (EJECT B)		
669	2D	*	K29-6195-13	KNOB (SELECT)		2
669	2D	*	K29-6196-13	KNOB (SELECT)		4
669	2D	*	K29-6199-13	KNOB (SELECT)		3
669	2D	*	K29-6199-13	KNOB(SELECT)		5
670	2D	*	K29-6201-02	KNOB (PLAY.STOP)		
⚠ 675	2F	*	L07-1969-05	POWER TRANSFORMER	YMI	
⚠ 675	2F	*	L07-1970-05	POWER TRANSFORMER	X	
⚠ 675	2F	*	L07-1971-05	POWER TRANSFORMER	TGE	
⚠ 675	2F	*	L07-1972-05	POWER TRANSFORMER	YMI	
⚠ 675	2F	*	L07-1973-05	POWER TRANSFORMER	X	
⚠ 675	2F	*	L07-1974-05	POWER TRANSFORMER	TE	
680	1E		T90-0182-15	LEAD WIRE ANTENNA		
681	1E		T90-0195-05	LOOP ANTENNA		
682	1E		T90-0198-05	ANTENNA ADAPTOR	TGE	2
682	1E		T90-0198-05	ANTENNA ADAPTOR	TE	4
SURROUND UNIT (X08-2692-70)						
C1 ,2			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C3 ,4			CE04LW1V100M	ELECTRO 10UF 35WV		
C5			CF92FV1H394J	MF-C 0.39UF J		

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NO. 3

Ref. No.	Add-ress	New Parts	Parts No.	Description			Desti-nation	Re-marks
C8			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		
C9,10			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C12			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C13,14			CF92FV1H224J	MF-C	0.22UF	J		
C15,16			CC45FSL1H330J	CERAMIC	33PF	J		
C19,20			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		
C23,24			CE04LW1V220M	ELECTRO	22UF	35WV		
C25,26			CQ93FMG1H102J	MYLAR	1000PF	J		
C31-34			CF92FV1H334J	MF-C	0.33UF	J		
C35,36			CQ93FMG1H332J	MYLAR	3300PF	J		
C37			CQ93FMG1H104J	MYLAR	0.10UF	J		
C38			CE04LW1C221M	ELECTRO	220UF	16WV		
C39			CQ93FMG1H333J	MYLAR	0.033UF	J		
C40			CQ93FMG1H152J	MYLAR	1500PF	J		
C41			CQ93FMG1H333J	MYLAR	0.033UF	J		
C42			CE04LW1C221M	ELECTRO	220UF	16WV		
C43			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C44			CE04L1V100M	ELECTRO	10UF	35WV		
C45			CQ93FMG1H103J	MYLAR	0.010UF	J		
C46,47			CC45FSL1H470J	CERAMIC	47PF	J		
C48			CC45FSL1H101J	CERAMIC	220PF	J		
C49			CQ93FMG1H681J	MYLAR	680PF	J		
C50			CF92FV1H474J	MF-C	0.47UF	J		
C51			CE04LW1C470M	ELECTRO	47UF	16WV		
C52,53			CQ93FMG1H104J	MYLAR	0.10UF	J		
C54			CE04LW1HR47M	ELECTRO	0.47UF	50WV		
C55			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		
C56			CE04LW1HR47M	ELECTRO	0.47UF	50WV		
C57			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		
C58			CF92FV1H154J	MF-C	0.15UF	J		
C59			CE04LW1H3R3M	ELECTRO	3.3UF	50WV		
C60,61			CF92FV1H154J	MF-C	0.15UF	J		
C62			CE04LW1H3R3M	ELECTRO	3.3UF	50WV		
C63			CF92FV1H154J	MF-C	0.15UF	J		
C64			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		
C65			CE04LW1HR47M	ELECTRO	0.47UF	50WV		
C66			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		
C67			CE04LW1HR47M	ELECTRO	0.47UF	50WV		
C68,69			CQ93FMG1H104J	MYLAR	0.10UF	J		
C70			CE04LW1C221M	ELECTRO	220UF	16WV		
C71-74			CE04L1V100M	ELECTRO	10UF	35WV		
C75			CE04LW1C221M	ELECTRO	220UF	16WV		
C76			CQ93FMG1H473J	MYLAR	0.047UF	J		
C77			CQ93FMG1H223J	MYLAR	0.022UF	J		
C78,79			CE04LW1E102M	ELECTRO	1000UF	25WV		
C80			CF92FV1H105J	MF-C	1.0UF	J		
C81			CE04L1V100M	ELECTRO	10UF	35WV		
C82			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C83			CE04LW1C101M	ELECTRO	100UF	16WV		
C84,85			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		
C86,87			CE04LW1E470M	ELECTRO	47UF	25WV		
C94,95			CC45FSD	CERAMIC	10PF	D		
C96			CE04LW1C220M	ELECTRO	22UF	16WV		
C9			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		
C101			CE04LW1C470M	ELECTRO	47UF	16WV		

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NO. 4

Ref. No.	Add-ress	New Parts	Parts No.	Description			Desti-nation	Re-marks
C102			CE04HW1H2R2M	NP-ELEC	2.2UF	50WV		
C103,104			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C105,106			CE04LW1C470M	ELECTRO	47UF	16WV		
C107			CC45FSL1H121J	CERAMIC	120PF	J		
C111			C91-0757-05	CERAMIC	1000PF	K		
C112,113			CK45FB1H102K	CERAMIC	1000PF	K		
J1	3G		E70-0046-05	LOCK TERMINAL BOARD(SPEAKER)				
688	2G		F29-0112-05	INSULATING WASHER				
689	2G		F20-1297-05	INSULATING SHEET				
⚠ F7,8	2G		F06-2021-05	FUSE (SEMKO)		(250V T2AL)		
CN3-6			J13-0075-05	FUSE CLIP				
J2			J11-0098-05	WIRE CLAMPER				
X1			L78-0290-05	RESONATOR (8MHZ)				
⚠ R8			RD14NB2E2R2J	RD	2.2	J 1/4W		
R33,34		*	RD14NB2E3R9J	RD	3.9	J 1/4W		
R43			RS14KB3D271J	FL-PROOF RS	270	J 2W		
R46			RS14KB3D271J	FL-PROOF RS	270	J 2W		
K1,2			S76-0008-05	MAGNETIC RELAY				
D1			MTZJ10(B)	ZENER DIODE				
D1			RD10ES(B)	ZENER DIODE				
D2-4			HSS104A	DIODE				
D2-4			1SS131	DIODE				
⚠ D5			D3SBA20F03	DIODE				
D6			MTZJ3.9(B)	ZENER DIODE				
D6			RD3.9ES(B2)	ZENER DIODE				
D7			MTZJ6.2(B)	ZENER DIODE				
D7			RD6.2ES(B2)	ZENER DIODE				
D8			HSS104A	DIODE				
D8			1SS131	DIODE				
IC1			LA2785	IC(DOLBY PRO LOGIC DECODER IC)				
IC2			LV1011	DI BI-POLAR IC				
IC3			NJM4565L-D	IC(OP AMP X2)				
IC4			TDA7315	ANALOGUE IC				
⚠ IC5,6			TDA2050V	ANALOGUE IC				
IC7			XRU4052BC	MOS-IC				
Q1,2			2SC2878(B)	TRANSISTOR				
Q3			3(L,K)	TRANSISTOR				
Q4			2SC3940A(R,S)	TRANSISTOR				
⚠ Q4			2SD863(E,F)	TRANSISTOR				
Q5			3(L,K)	TRANSISTOR				
Q6			DTA113ZS	DIGITAL TRANSISTOR				
Q6			UN4119	TRANSISTOR				
Q7			DTC124ES	DIGITAL TRANSISTOR				
Q7			UN4212	TRANSISTOR				
AUDIO UNIT (X09-422X-XX)								
C1,2			CC45FSL1H101J	CERAMIC	100PF	J		
C3,4			CE04LW1V100M	ELECTRO	10UF	35WV		
C5,6			CC45FSL1H101J	CERAMIC	100PF	J		
C7,8			CK45FB1H102K	CERAMIC	1000PF	K		
C9,10			CQ93FMG1H123J	MYLAR	0.012UF	J		

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RX-29/39/49/59

PARTS LIST

✱ New Parts
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NO. 5

Ref. No.	Address	New Parts	Parts No.	Description			Destination	Remarks
C11,12			CQ93FMG1H332J	MYLAR	3300PF	J		
C13,14			CE04LW1V100M	ELECTRO	10UF	35WV		
C15-18			CC45FSL1H151J	CERAMIC	150PF	J		
C19,20			CK45FB11H471K	CERAMIC	470PF	K		
C21,22			CC45FSL1H151J	CERAMIC	150PF	J		
C23,24			CE04LW1C220M	ELECTRO	22UF	16WV		
C29			CQ93FMG1H104J	MYLAR	0.10UF	J		
C30			CQ93FMG1H223J	MYLAR	0.022UF	J		
C31			CQ93FMG1H104J	MYLAR	0.10UF	J		
C32			CQ93FMG1H223J	MYLAR	0.022UF	J		
C33			CQ93FMG1H562J	MYLAR	47PF	J		
C34			CQ93FMG1H122J	MYLAR	5600PF	J		
C35			CF92FV1H684J	MF-C	0.68UF	J		
C36			CQ93FMG1H222J	MYLAR	2200PF	J		
C37,38			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C39-42			CQ93FMG1H104J	MYLAR	0.10UF	J		
C43,44			CQ93FMG1H562J	MYLAR	5600PF	J		
C45,46			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C47,48			CQ93FMG1H104J	MYLAR	0.10UF	J		
C49,50		✱	C90-3595-05	ELECTRO	10UF	35WV		
C51,52			CC45FSL1H331J	CERAMIC	330PF	J		
C53,54			CC45FSL1H221J	CERAMIC	220PF	J		
C55,56			CE04LW1V330M	ELECTRO	33UF	35WV		
C57,58			CC45FSL1H331J	CERAMIC	330PF	J		
C59,60			CK45FB1H561K	CERAMIC	560PF	K		
C61,62			CC45FSL1H101J	CERAMIC	100PF	J		
C63-66			CK45FB1H222K	CERAMIC	2200PF	K		
C67-70			CQ93FMG1H104J	MYLAR	0.10UF	J		
C71,72			CK45FB1H102K	CERAMIC	1000PF	K		
C73,74			CK45FF1H223Z	CERAMIC	0.022UF	Z		
C77,78			CQ93FMG1H223J	MYLAR	0.022UF	J	YMI	
C79,80			CQ93FMG1H473J	MYLAR	0.047UF	J	YMI	
C83,84			CQ93FMG1H822J	MYLAR	8200PF	J	YMI	
C85,86			CC45FSL1H560J	CERAMIC	56PF	J	YMI	
C87,88			CE04LW1A101M	ELECTRO	100UF	10WV		
C89,90			CE04LW1H3R3M	ELECTRO	3.3UF	50WV		
C93,94			CE04LW1H220M	ELECTRO	22UF	50WV		
C95,96			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C101,102			CC45FSL1H221J	CERAMIC	220PF	J		
C103,104			CQ93FMG1H123J	MYLAR	0.012UF	J		
C105,106			CC45FSL1H220J	CERAMIC	22PF	J		
C107,108			CC45FSL1H101J	CERAMIC	100PF	J		
C109,110			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C111,112			CQ93FMG1H393J	MYLAR	0.039UF	J		
C131-133			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C134,135			CE04LW1C470M	ELECTRO	47UF	16WV	YMI	
C136,137			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C138			CC45FSL1H331J	CERAMIC	330PF	J		
C139			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C140			CE04LW1V100M	ELECTRO	10UF	35WV		3
C140			CE04LW1V100M	ELECTRO	10UF	35WV		5
C141,142			CC45FSL1H221J	CERAMIC	220PF	J		
C144,145			CE04LW1V100M	ELECTRO	10UF	35WV		3
C144,145			CE04LW1V100M	ELECTRO	10UF	35WV		4
C144,145			CE04LW1V100M	ELECTRO	10UF	35WV		5

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Ref. No.	Address	New Parts	Parts No.	Description			Destination	Remarks
C146			CK45FF1H103Z	CERAMIC	0.010UF	Z		3
C146			CK45FF1H103Z	CERAMIC	0.010UF	Z		4
C146			CK45FF1H103Z	CERAMIC	0.010UF	Z		5
C147,148			CC45FSL1H470J	CERAMIC	47PF	J		3
C147,148			CC45FSL1H470J	CERAMIC	47PF	J		4
C147,148			CC45FSL1H470J	CERAMIC	47PF	J		5
C149,150			CK45FF1H103Z	CERAMIC	0.010UF	Z		3
C149,150			CK45FF1H103Z	CERAMIC	0.010UF	Z		4
C149,150			CK45FF1H103Z	CERAMIC	0.010UF	Z		5
C151,152			CE04LW1A470M	ELECTRO	47UF	10WV		3
C151,152			CE04LW1A470M	ELECTRO	47UF	10WV		4
C151,152			CE04LW1A470M	ELECTRO	47UF	10WV		5
C155,156			CK45FF1H103Z	CERAMIC	0.010UF	Z	YMI	
C159			CE04LW1C470M	ELECTRO	47UF	16WV		
C160			CE04LW1C220M	ELECTRO	22UF	16WV		
C164			CE04HW1H2R2M	NP-ELEC	2.2UF	50WV		
C166,167			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C169			CK45FB1H222K	CERAMIC	2200PF	K		
C170			CE04LW1H4R7M	ELECTRO	4.7UF	50WV		
C171			CE04LW1A101M	ELECTRO	100UF	10WV		
C173,174			C91-1422-05	MP	0.10UF	250WV		
C175,176		✱	C90-3593-05	ELECTRO	4700UF	56WV		
C177			CE04LW1J470M	ELECTRO	47UF	63WV		
C180			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C182			CK45FF1H103Z	CERAMIC	0.010UF	Z		2
C182			CK45FF1H103Z	CERAMIC	0.010UF	Z		4
C182			CK45FF1H103Z	CERAMIC	0.010UF	Z		5
C183			CE04LW1V332M	ELECTRO	3300UF	35WV		
C185			CE04LW1E470M	ELECTRO	47UF	25WV		
C186			CK45FB1H332K	CERAMIC	3300PF	K		
C187			CE04LW1E470M	ELECTRO	47UF	25WV		
C188			CE04LW1E101M	ELECTRO	100UF	25WV		
C189			CE04LW1E470M	ELECTRO	47UF	25WV		
C190			CK45FB1H332K	CERAMIC	3300PF	K		
C191			CE04LW1E470M	ELECTRO	47UF	25WV		
C193,194			CQ93FMG1H104J	MYLAR	0.10UF	J		
C195			CE04LM	ELECTRO	10UF	35WV		
C196			CK45FF1H103Z	CERAMIC	0.010UF	Z	XTGE	2
C196			CK45FF1H103Z	CERAMIC	0.010UF	Z	XTGE	4
⚠ C197			C91-1488-05	MFPF	250VAC			
C198			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C201			CE04LW1V330M	ELECTRO	33UF	35WV		
C202		✱	C90-3595-05	ELECTRO	10UF	35WV		
C203			CE04Lw2A100M	ELECTRO	10UF	100WV		
C204			CE04LW1E470M	ELECTRO	47UF	25WV		
C205,206			CC45FSL1H271J	CERAMIC	270PF	J		
C207			CK45FB1H102K	CERAMIC	1000PF	KXTGE		2
C207			CK45FB1H102K	CERAMIC	1000PF	KXTGE		4
C208			CK45FF1H103Z	CERAMIC	0.010UF	ZXTGE		2
C208			CK45FF1H103Z	CERAMIC	0.010UF	ZXTGE		4
C209,210			CC45FSL1H221J	CERAMIC	220PF	J		
CN1			E40-4796-05	PIN ASSY				
CN3			E40-4858-05	SOCKET FOR PIN ASSY				
CN4			E40-4804-05	SOCKET FOR PIN ASSY				

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Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
CN5			E40-4632-05	PIN ASSY		
CN6			E40-4233-05	FLAT CABLE CONNECTOR		5
CN6			E40-4284-05	FLAT CABLE CONNECTOR		4
CN7			E40-4297-05	FLAT CABLE CONNECTOR		5
CN7			E40-4807-05	FLAT CABLE CONNECTOR		4
CN23			E40-0411-05	PIN ASSY		
CN24			E40-4607-05	PIN ASSY		
J1 ,2	2G		E11-0219-05	PHONE JACK (MIC)		
J3	2G		E63-0070-15	PHONO JACK (AUDIO)		
J4	2G		E08-1510-05	RECTANGULAR RECEPTACLE		
J5	2G		E63-0069-15	PHONO JACK (VISUAL)		3
J5	2G		E63-0069-15	PHONO JACK (VISUAL)		4
J5	2G		E63-0069-15	PHONO JACK (VISUAL)		5
J6	2G		E63-0116-05	PHONO JACK (SUPER WOOFER)		
J7	2F		E11-0281-05	PHONE JACK (HEAD PHONE)		
J8	2G		E70-0053-05	LOCK TERMINAL BOARD(SPEAKER)		
J9	2G		E70-0053-05	LOCK TERMINAL BOARD(SPEAKER)	YMI	2
J9	2G		E70-0053-05	LOCK TERMINAL BOARD(SPEAKER)	YMI	3
J9	2G		E70-0053-05	LOCK TERMINAL BOARD(SPEAKER)	YMI	5
⚠ J12	1G		E03-0108-05	AC OUTLET		
⚠ J12	1G		E03-0108-05	AC OUTLET		
⚠ F1,2	2F		F05-2525-05	FUSE (SEMKO) (250V T2.5AL)	YMI	
⚠ F3,4	2F		F05-5025-05	FUSE (SEMKO) (250V T5A L)		
⚠ F5	2F		F06-2021-05	FUSE (SEMKO) (250V T2AL)		
⚠ F5,6	2F		F06-2021-05	FUSE (SEMKO) (250V T2AL)		
⚠ F5,6	2F		F06-2021-05	FUSE (SEMKO) (250V T2AL)		
⚠ F5,6	2F		F06-2021-05	FUSE (SEMKO) (250V T2AL)		
CN11-20			J13-0075-05	FUSE CLIP		3
CN11-22			J13-0075-05	FUSE CLIP	YMI	2
CN11-22			J13-00 75-05	FUSE CLIP	YMI	4
CN11-22			J13-0075-05	FUSE CLIP	YMI	5
CN15-22			J13-0075-05	FUSE CLIP	XTGE	2
CN15-22			J13-0075-05	FUSE CLIP	XTGE	4
J13			J11-0098-05	WIRE CLAMPER		4
J13 ,14			J11-0098-05	WIRE CLAMPER		5
J14			J11-0098-05	WIRE CLAMPER	YMI	2
J14			J11-0098-05	WIRE CLAMPER	YMI	3
L1,2			J11-0085-05	PHASE COMPENSATION COIL		
R81-84			RD14NB2E100J	RD 10 J 1/4W		
R85-88			RS14KB3DR22J	FL-PROOF RS 0.22 J 2W		
R97,98			RS14KB3A4R7J	FL-PROOF RS 4.7 J 1W		
R99-102			RD14NB2E122J	RD 1.2K J 1/4W		
R254,255			RS14KB3A221J	FL-PROOF RS 220 J 1W		3
R254,255			RS14KB3A221J	FL-PROOF RS 220 J 1W		4
R254,255			RS14KB3A221J	FL-PROOF RS 220 J 1W		5
R296			RS14KB3D271J	FL-PROOF RS 270 J 2W YMI		2
R296			RS14KB3D271J	FL-PROOF RS 270 J 2W YMI		3
R296			RS14KB3D271J	FL-PROOF RS 270 J 2W YMI		5
R299			RS14KB3D271J	FL-PROOF RS 270 J 2W		
⚠ R303			RD14NB2E2R2J	RD 2.2 J 1/4W		
⚠ R312			RD14NB2E2R2J	RD 2.2 J 1/4W		
R315			RS14KB3D271J	FL-PROOF RS 270 J 2W		2
R315			RS14KB3D271J	FL-PROOF RS 270 J 2W		4

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Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
R315			RS14KB3D271J	FL-PROOF RS 270 J 2W		5
R316			RS14KB3A152J	FL-PROOF RS 1.5K J 1W		
R327,328			RD14NB2E4R7J	RD 4.7 J 1/4W		
R331			RS14KB3D271J	FL-PROOF RS 270 J 2W		
R335			RS14KB3A101J	FL-PROOF R 100 J 1W		
VR1			R31-0028-05	VARIABLE RESISTOR		
K1	2F	✱	S76-0040-05	MAGNETIC RELAY		
K2			S76-0008-05	MAGNETIC RELAY	XTGE	2
K2			S76-0008-05	MAGNETIC RELAY	XTGE	4
K2 -4			S76-0008-05	MAGNETIC RELAY	YMI	2
K2 -4			S76-0008-05	MAGNETIC RELAY	YMI	5
K3 ,4			S76-0008-05	MAGNETIC RELAY		3
K4			S76-0008-05	MAGNETIC RELAY	XTGE	2
K4			S76-0008-05	MAGNETIC RELAY	XTGE	4
⚠ S1	1G		S31-2322-05	SLIDE SWITCH	YMI	
D1 -6			HSS104A	DIODE		
D1 -6			1SS131	DIODE		
D9 ,10			HSS104A	DIODE		3
D9 ,10			HSS104A	DIODE		4
D9 ,10			HSS104A	DIODE		5
D9 ,10			1SS131	DIODE		3
D9 ,10			1SS131	DIODE		4
D9 ,10			1SS131	DIODE		5
D11 -14			MTZJ6.2(B)	ZENER DIODE		3
D11 -14			MTZJ6.2(B)	ZENER DIODE		4
D11 -14			MTZJ6.2(B)	ZENER DIODE		5
D11 -14			RD6.2ES(B)	ZENER DIODE		3
D11 -14			RD6.2ES(B)	ZENER DIODE		4
D11 -14			RD6.2ES(B)	ZENER DIODE		5
D11 ,12			MTZJ6.2(B)	ZENER DIODE	XTE	4
D11 ,12			RD6.2ES(B)	ZENER DIODE	XTE	4
D13 ,14			MTZJ6.2(B)	ZENER DIODE	YMI	2
D13 ,14			RD6.2ES(B)	ZENER DIODE	YMI	2
D15			MTZJ8.2(B)	ZENER DIODE		
D15			RD8.2ES(B)	ZENER DIODE		
D19 ,20			HSS104A	DIODE		
D19 ,20			1SS131	DIODE		
D23 -25			HSS104A	DIODE	YMI	2
D23 -25			HSS104A	DIODE	YMI	3
D23 -25			HSS104A	DIODE	YMI	5
D23 -25			1SS131	DIODE	YMI	2
D23 -25			1SS131	DIODE	YMI	3
D23 -25			1SS131	DIODE	YMI	5
D23 ,24			HSS104A	DIODE	XTGE	2
D23 ,24			HSS104A	DIODE	XTGE	4
D23 ,24			1SS131	DIODE	XTGE	2
D23 ,24			1SS131	DIODE	XTGE	4
D27			MTZJ3.9(B)	ZENER DIODE		
D27			RD3.9ES(B)	ZENER DIODE		
D29			MTZJ5.1(B)	ZENER DIODE		
D29			RD5.1ES(B)	ZENER DIODE		
⚠ D31			HSS104A	DIODE		
⚠ D31			1SS131	DIODE		
⚠ D32			D5SBA20F03	DIODE		

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Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
D32			RBV-602LFA	DIODE		
D33,34			S5688B	DIODE		
D35		✱	MTZJ18(B)	ZENER DIODE		
D35			RD18ES(B)	ZENER DIODE		
D36		✱	MTZJ16(B)	ZENER DIODE		
D36			RD16ES(B)	ZENER DIODE		
D37			D3SBA20F03	DIODE		
D37			RBV-402LFA	DIODE		
D38,39			HSS104A	DIODE		
D38,39			1SS131	DIODE		
D41			MTZJ11(B)	ZENER DIODE		
D41			RD11ES(B)	ZENER DIODE		
D43-48			HSS104A	DIODE		2
D43-48			HSS104A	DIODE		4
D43-48			HSS104A	DIODE		5
D43-48			1SS131	DIODE		2
D43-48			1SS131	DIODE		4
D43-48			1SS131	DIODE		5
D44-48			HSS104A	DIODE		3
D44-48			1SS131	DIODE		3
D51 -53			HSS104A	DIODE		
D51-53			1SS131	DIODE		
D55,56			HSS104A	DIODE	YMI	2
D55,56			HSS104A	DIODE	YMI	3
D55,56			HSS104A	DIODE	YMI	5
D55,56			1SS131	DIODE	YMI	2
D55,56			1SS131	DIODE	YMI	3
D55,56			1SS131	DIODE	YMI	5
D57,58			MTZJ13(B)	ZENER DIODE	YMI	2
D57,58			MTZJ13(B)	ZENER DIODE	YMI	3
D57,58			MTZJ13(B)	ZENER DIODE	YMI	5
D57,58			RD13ES(B2)	ZENER DIODE	YMI	2
D57,58			RD13ES(B2)	ZENER DIODE	YMI	3
D57,58			RD13ES(B2)	ZENER DIODE	YMI	5
D59			HSS104A	DIODE		
D59			1SS131	DIODE		
D61,62			MTZJ8.2(B)	ZENER DIODE		
D61,62			RD8.2ES(B)	ZENER DIODE		
D63			HSS104A	DIODE		
D63			1SS131	DIODE		
D64		✱	MTZJ18(B)	ZENER DIODE		
D64			RD18ES(B)	ZENER DIODE		
D65			HSS104A	DIODE	YMI	
D65			1SS131	DIODE	YMI	
D65			1SS131	DIODE		
IC1			NJM4565D	IC(OP AMP X2)		
IC5			NJM4565D	IC(OP AMP X2)		
IC6			XRU4052BC	MOS-IC	YMI	
IC7			NJU7313AL	ANALOGUE IC		
IC8			NJM2279D	IC(VIDEO IC)		3
IC8			NJM2279D	IC(VIDEO IC)		4
IC8			NJM2279D	IC(VIDEO IC)		5
IC9			NJM4565D	IC(OP AMP X2)	XTGE1	2
IC9			NJM4565D	IC(OP AMP X2)	XTGE1	4
IC9-12			NJM4565D	IC(OP AMP X2)	YMI	

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Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
IC14			TDA7345D	ANALOGUE IC		
⚠ IC15			TA78057S	IC(VOLTAGE REGULATOR/+5.75V)		
Q1-4			2SC1845(F,E)	TRANSISTOR		
Q5,6			2SA992(F,E)	TRANSISTOR		
Q7,8			2SC4137(V,W)	TRANSISTOR		
⚠ Q9,10			2SD2390	TRANSISTOR		
⚠ Q11,12			2SB1560	TRANSISTOR		
Q13,14			2SC1845(F,E)	TRANSISTOR		
Q15			2SA1175(F,E)	TRANSISTOR		
Q15			2SA933S(Q,R)	TRANSISTOR		
Q16,17			2SC2878(B)	TRANSISTOR		
Q20			2SA992(F,E)	TRANSISTOR		
Q21,22			2SC1845(F,E)	TRANSISTOR		
Q23			2SC1740S(Q,R)	TRANSISTOR		
Q23			2SC2785(F,E)	TRANSISTOR		
⚠ Q24			2SB1370	TRANSISTOR		
Q24			2SB1375	TRANSISTOR		
Q25			2SC1740S(Q,R)	TRANSISTOR		2
Q25			2SC1740S(Q,R)	TRANSISTOR		4
Q25			2SC1740S(Q,R)	TRANSISTOR		5
Q25			2SC2785(F,E)	TRANSISTOR		2
Q25			2SC2785(F,E)	TRANSISTOR		4
Q25			2SC2785(F,E)	TRANSISTOR		5
⚠ Q26			2SD2493	TRANSISTOR		
Q28,29			2SC1740S(Q,R)	TRANSISTOR		
Q28,29			2SC2785(F,E)	TRANSISTOR		
⚠ Q30,31			2SA992(F,E)	TRANSISTOR		
⚠ Q32			2SD2012	TRANSISTOR		
⚠ Q32			2SD2061	TRANSISTOR		
Q33			2SC1740S(Q,R)	TRANSISTOR	YMI	2
Q33			2SC1740S(Q,R)	TRANSISTOR	YMI	3
Q33			2SC1740S(Q,R)	TRANSISTOR	YMI	5
Q33			2SC2785(F,E)	TRANSISTOR	YMI	2
Q33			2SC2785(F,E)	TRANSISTOR	YMI	3
Q33			2SC2785(F,E)	TRANSISTOR	YMI	5
Q34			2SA1175(F,E)	TRANSISTOR	YMI	
Q34			2SA933S(Q,R)	TRANSISTOR	YMI	
Q35,36			2SC1845(F,E)	TRANSISTOR	YMI	2
Q35,36			2SC1845(F,E)	TRANSISTOR	YMI	3
Q35,36			2SC1845(F,E)	TRANSISTOR	YMI	5
Q37,38			2SC1740S(Q,R)	TRANSISTOR		
Q37,38			2SC2785(F,E)	TRANSISTOR		
Q39,40			2SC1845(F,E)	TRANSISTOR		5

KEYCON UNIT (X11-3610-20)

C1,2			CE04LW1H010M	ELECTRO	1.0UF	50WV
C3,4			CE04LW1V4R7M	ELECTRO	4.7UF	35WV
C5-8			CE04LW1H2R2M	ELECTRO	2.2UF	50WV
C19,20			CK45FF1H472Z	CERAMIC	4700PF	Z
C21-26			CQ93FMG1H683J	MYLAR	0.068UF	J
C27-32			CQ93FMG1H104J	MYLAR	0.10UF	J
C33,34			CK45FB1H821K	CERAMIC	820PF	K
C35,36			CK45FB1H332K	CERAMIC	3300PF	K
C37,38			CK45FB1H561K	CERAMIC	560PF	K
C39,40			CK45FB1H152K	CERAMIC	1500PF	K

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Ref. No.	Address	New Parts	Parts No.	Description			Destination	Remarks
C51			CE04LW1C470M	ELECTRO	47UF	16WV		
C52			CE04LW1V100M	ELECTRO	10UF	35WV		
C53,54			CQ93FMG1H104J	MYLAR	0.10UF	J		
C55			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C57-59			CC45FSL1H101J	CERAMIC	100PF	J		
C60,61			CC45FSL1H100D	CERAMIC	10PF	D		
C62			CE04LW1C470M	ELECTRO	47UF	16WV		
C63			CQ93FMG1H104J	MYLAR	0.10UF	J		
C64,65			CE04LW1C470M	ELECTRO	47UF	16WV		
X1			L78-0626-05	RESONATOR	(16M)			
⚠ R51			RD14NB2E100J	RD	10	J 1/4W		
D1			MTZJ6.2(B)	ZENER DIODE				
D1			RD6.2ES(B2)	ZENER DIODE				
IC1,2			M65840SP	MOS-IC				
IC3			XRU4052BC	MOS-IC				
⚠ IC4			TA7805S	IC(VOLTAGE REGULATOR/ +5V)				
IC4			UPC7805AHF	IC(VOLTAGE REGULATOR/ +5V)				
IC5			NJM4565L-D	IC(OP AMP X2)				
Q1			DTC124ES	DIGITAL TRANSISTOR				
Q1			UN4212	TRANSISTOR				
TUNER UNIT (X14-406X-XX)								
D151-157			B30-1012-05	LED(SLP-981C-51)				
D158-160			B30-2462-05	LED(GRN)				3
D158-160			B30-2462-05	LED(GRN)				5
D159,160			B30-2462-05	LED(GRN)				4
C1,2			CK73FB1H103K	CHIP C	0.010UF	K		
C3			CE04LW1V100M	ELECTRO	10UF	35WV		
C4			CK73FB1E473K	CHIP C	0.047UF	K		
C5			CE04LW1V100M	ELECTRO	10UF	35WV		
C6			CK73FB1E473K	CHIP C	0.047UF	K		
C7			CE04LW1V100M	ELECTRO	10UF	35WV		
C8			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C9			CE04LW1HR47M	ELECTRO	0.47UF	50WV		
C10			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		
C11			CE04LW1HR47M	ELECTRO	0.47UF	50WV		
C12			CK73FB1E473K	CHIP C	0.047UF	K		
C13			CC73FCH1H220J	CHIP C	22PF	J		
C14			CE04LW1A101M	ELECTRO	100UF	10WV		
C15			CK73FB1H472K	CHIP C	4700PF	K		
C16			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C17,18			CE04LW1V100M	ELECTRO	10UF	35WV		
C19,20			CQ92FM1H223J	MYLAR	0.022UF	J		
C22			CK73FB1H122K	CHIP C	1200PF	K		
C23,24			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		
C27			CK73FB1E473K	CHIP C	0.047UF	K		
C28			CC73FSL1H150J	CHIP C	15PF	J		
C30			CE04LW1A470M	ELECTRO	47UF	10WV		
C31			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C32			CK73FB1H103K	CHIP C	0.010UF	K		
C33			CC73FCH1H270J	CHIP C	27PF	J		
C34			CC73FCH1H220J	CHIP C	22PF	J		
C35-38			CC73FSL1H101J	CHIP C	100PF	J		
C39			CE04LW1C470M	ELECTRO	47UF	16WV		

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NO. 12

Ref. No.	Address	New Parts	Parts No.	Description			Destination	Remarks
C40			CQ92FM1H223J	MYLAR	0.022UF	J		
C41			CE04HW1H2R2M	NP-ELEC	2.2UF	50WV		
C42,43			CK73FB1H103K	CHIP C	0.010UF	K		
C44			CE04LW1A470M	ELECTRO	47UF	10WV		
C45			CE04LW1C470M	ELECTRO	47UF	16WV		
C46			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C47			CK73FB1H103K	CHIP C	0.010UF	K		
C48			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C49			CK73FB1H103K	CHIP C	0.010UF	K		
C56			CC73FCH1H060D	CHIP C	6.0PF	D		
C57			CC73FCH1H220J	CHIP C	22PF	J		
C58			CK73FB1E473K	CHIP C	0.047UF	K		
C60			CC73FSL1H101J	CHIP C	100PF	J		
C62			CC45FSL1H020C	CERAMIC	2.0PF	C		
C63,64			CK45FB1H471K	CERAMIC	470PF	K		
C65			C91-0769-05	CERAMIC	0.010UF	K		
C91,92			CQ92FM1H682J	MYLAR	6800PF	J	YMI	
C101,102			CK45FB1H681K	CERAMIC	680PF	K		
C103			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C104,105			CK45FB1H222K	CERAMIC	2200PF	K		
C106			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C107,108			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C109			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C110,111			CQ93FMG1H683J	MYLAR	0.068UF	J		
C112			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C113,114		*	C90-3234-05	ELECTRO	10UF	25WV		
C115			C90-3236-05	ELECTRO	33UF	25UF		
C117		*	C90-3234-05	ELECTRO	10UF	25WV		
C118			C90-3253-05	ELECTRO	1.0UF	50WV		
C119,120			C90-3226-05	ELECTRO	22UF	16WV		
C121			CK73FF1C105Z	CHIP C	1.0UF	Z		
C122,123			CC73FSL1H101J	CHIP C	100PF	J		
C124			CK73FB1H102K	CHIP C	1000PF	K		
C125			CK73FF1C105Z	CHIP C	1.0UF	Z		
C152			C90-3216-05	ELECTRO	330UF	6.3WV		
C153			CK73FB1H473K	CHIP C	0.047UF	K		
C154,155			CK45FB1H102K	CERAMIC	1000PF	K		
C156			CE04LW1A101M	ELECTRO	100UF	10WV		
C157			CK73FB1E104K	CHIP C	0.10UF	K		
C158			C90-3254-05	ELECTRO	2.2UF	50WV		
C159			C90-3253-05	ELECTRO	1.0UF	50WV		
C160			CK73FB1E104K	CHIP C	0.10UF	K		
C161			CC73FCH1H220J	CHIP C	22PF	J		
C162			CC73FCH1H180J	CHIP C	18PF	J		
C163			CK73FB1H103K	CHIP C	0.010UF	K		
C164,165			CK45FB1H102K	CERAMIC	1000PF	K		
C166			CK73FB1H102K	CHIP C	1000PF	K		
C300			CE04LW1H010M	ELECTRO	1.0UF	50WV		3
C300			CE04LW1H010M	ELECTRO	1.0UF	50WV		5
C301,302			CK45FF1H103Z	CERAMIC	0.010UF	Z		3
C301,302			CK45FF1H103Z	CERAMIC	0.010UF	Z		5
C303			CE04LW1H010M	ELECTRO	1.0UF	50WV		3
C303			CE04LW1H010M	ELECTRO	1.0UF	50WV		5
C305			CK73FB1H103K	CHIP C	0.010UF	K		3
C305			CK73FB1H103K	CHIP C	0.010UF	K		5

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NO.13

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
C306			CQ93FMG1H222J	MYLAR 2200PF J		3
C306			CQ93FMG1H222J	MYLAR 2200PF J		5
C307			CF92FV1H124J	MF-C 0.12UF J		3
C307			CF92FV1H124J	MF-C 0.12UF J		5
C308,309			CF92FV1H224J	MF-C 0.22UF J		3
C308,309			CF92FV1H224J	MF-C 0.22UF J		5
C310			CE04LW1H010M	ELECTRO 1.0UF 50WV		3
C310			CE04LW1H010M	ELECTRO 1.0UF 50WV		5
C311			CK45FF1H103Z	CERAMIC 0.010UF Z		3
C311			CK45FF1H103Z	CERAMIC 0.010UF Z		5
C312			CE04LW1C470M	ELECTRO 47UF 16WV		3
C312			CE04LW1C470M	ELECTRO 47UF 16WV		5
C313			CC45FSL1H101J	CERAMIC 100PF J		3
C313			CC45FSL1H101J	CERAMIC 100PF J		5
C314			CE04LW1C470M	ELECTRO 47UF 16WV		3
C314			CE04LW1C470M	ELECTRO 47UF 16WV		5
C315			CF92FV1H124J	MF-C 0.12UF J		3
C315			CF92FV1H124J	MF-C 0.12UF J		5
C316			CQ93FMG1H222J	MYLAR 2200PF J		3
C316			CQ93FMG1H222J	MYLAR 2200PF J		5
C317			CK45FF1H103Z	CERAMIC 0.010UF Z		3
C317			CK45FF1H103Z	CERAMIC 0.010UF Z		5
C318			CE04LW1H010M	ELECTRO 1.0UF 50WV		3
C318			CE04LW1H010M	ELECTRO 1.0UF 50WV		5
C319			CE04LW1C470M	ELECTRO 47UF 16WV		3
C319			CE04LW1C470M	ELECTRO 47UF 16WV		5
C320,321			CC45FSL1H101J	CERAMIC 100PF J		3
C320,321			CC45FSL1H101J	CERAMIC 100PF J		5
CN1			E40-4857-05	PIN ASSY		
CN2			E40-4796-05	PIN ASSY		
CN3			E40-4607-05	PIN ASSY		
CN4			E40-4295-05	FLAT CABLE CONNCTOR		3
CN4			E40-4295-05	FLAT CABLE CONNCTOR		5
J1			E20-0321-05	LOCK TERMINAL BOARD(3PANTENNA)	TGE	2
J1			E20-0321-05	LOCK TERMINAL BOARD(3PANTENNA)	TE	4
J1			E20-0476-05	LOCK TERMINAL BOARD(4PANTENNA)	YMIX	
J1			E70-0051-05	LOCK TERMINAL BOARD(4PANTENNA)	YMIX	
J1		*	E70-0052-05	LOCK TERMINAL BOARD(3PANTENNA)	TGE	2
J1		*	E70-0052-05	LOCK TERMINAL BOARD(3PANTENNA)	TE	4
J2999			F10-0945-04	SHIELDING PLATE	YMIX	
J2999			F10-0978-04	SHIELDING PLATE	TGE	2
J2999			F10-0978-04	SHIELDING PLATE	TE	4
692	2F	*	J19-3799-03	HOLDER (DISPLAY)		
CF1,2			L72-0531-05	CERAMIC FILTER	YMIX	
CF1,2			L72-0536-05	CERAMIC FILTER	TGE	2
CF1,2			L72-0536-05	CERAMIC FILTER	T	4
L3			L30-0910-05	FM IFT		
L6			L39-1325-05	COMBINATION COIL	T	2
L6			L39-1325-05	COMBINATION COIL	T	4
L6			L39-1328-05	COMBINATION COIL	YMIXGE	
L7			L30-0467-05	AM IFT		
L8,9			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
L11			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)		

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NO.14

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
X1			L77-2140-05	CRYSTAL RESONATOR(32.768KHZ)		
X2			L78-0290-05	RESONATOR (8MHZ)		
X3			L77-1122-05	CRYSTAL RESONATOR(7.2MHZ)		
X4			L78-0295-05	RESONATOR (456KHZ)		
CP1			R90-0878-05	MULTI-COMP 10KX3		
CP2			R90-0479-05	MULTI-COMP 100KX12		
R1			RK73FB2A681J	CHIP R 680 J 1/10W		
R2			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R3			RK73FB2A331J	CHIP R 330 J 1/10W		
R4			RK73FJ	CHIP R 10 J 1/10W		
R5			RK73FB2A101J	CHIP R J 1/10W		
R6			RK73FB2A331J	CHIP R 330 J 1/10W		
R7			RK73FB2A392J	CHIP R 3.9K J 1/10W		
R11			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R12			RK73FB2A302J	CHIP R 3.0K J 1/10W		
R13			RK73FB2A333J	CHIP R 33K J 1/10W		
R14			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R15			RK73FB2A473J	CHIP R 47K J 1/10W		
R16			RK73FB2A104J	CHIP R 100K J 1/10W		
R17			RK73FB2A242J	CHIP R 2.4K J 1/10W		
R18			RK73FB2A333J	CHIP R 33K J 1/10W		
R19,20			RK73FB2A392J	CHIP R 3.9K J 1/10W		
R25			RS14KB3D820J	FL-PROOF RS 82 J 2W		
R31			RK73FB2A822J	CHIP R 8.2K J 1/10W		
R32-35			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R36-38			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R39			RK73FB2A822J	CHIP R 8.2K J 1/10W		
R40			RK73FB2A471J	CHIP R 470 J 1/10W		
R41			RK73FB2A821J	CHIP R 820 J 1/10W		
R42			RD14NB2E101J	RD 100 J 1/4W		
R43			RK73FB2A103J	CHIP R 10K J 1/10W		
R44			RK73EB2B221J	CHIP R 220 J 1/8W		
R58			RK73FB2A104J	CHIP R 100K J 1/10W	T	2
R59			RK73FB2A122J	CHIP R 1.2K J 1/10W	T	2
R59			RK73FB2A122J	CHIP R 1.2K J 1/10W	T	4
R60			RK73FB2A123J	CHIP R 12K J 1/10W	T	2
R60			RK73FB2A123J	CHIP R 12K J 1/10W	T	4
R61			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R62			RK73FB2A123J	CHIP R 12K J 1/10W		
R63			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R64			RK73FB2A123J	CHIP R 12K J 1/10W		
R72			RK73FB2A122J	CHIP R 1.2K J 1/10W	T	2
R72			RK73FB2A122J	CHIP R 1.2K J 1/10W	T	4
R73			RK73FB2A223J	CHIP R 22K J 1/10W	T	2
R73			RK73FB2A223J	CHIP R 22K J 1/10W	T	4
R74			RK73FB2A123J	CHIP R 12K J 1/10W	T	2
R74			RK73FB2A123J	CHIP R 12K J 1/10W	T	4
R75			RK73FB2A182J	CHIP R 1.8K J 1/10W	T	2
R75			RK73FB2A182J	CHIP R 1.8K J 1/10W	T	4
R76			RK73FB2A104J	CHIP R 100K J 1/10W	T	2
R76			RK73FB2A104J	CHIP R 100K J 1/10W	T	4
R77			RK73EB2B103J	CHIP R 10K J 1/8W		
R78			RD14NB2E331J	RD 330 J 1/4W	YMIX	2
R78			RD14NB2E331J	RD 330 J 1/4W	YMIX	4

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NO. 15

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
R78			RD14NB2E470J	RD 47 J 1/4W	TGE	3
R78			RD14NB2E470J	RD 47 J 1/4W	TE	4
R78			RD14NB2E470J	RD 47 J 1/4W		5
R79			RS14KB3D221J	FL-PROOF RS 220 J 2W		
R81			RK73FB2A333J	CHIP R 33K J 1/10W		
R84			RK73FB2A101J	CHIP R J 1/10W	TGE	2
R84			RK73FB2A101J	CHIP R J 1/10W	TE	4
R154			RD14NB2E100J	RD 10 J 1/4W		
R168			RK73FB2A474J	CHIP R 470K J 1/10W		
R172,173			RD14NB2E221J	RD 220 J 1/4W		
W301			R92-0670-05	CHIP R 0 OHM	T	2
W301			R92-0670-05	CHIP R 0 OHM	T	4
W301-306			R92-0670-05	CHIP R 0 OHM	YMIXGE	
W306-311			R92-0670-05	CHIP R 0 OHM	T	2
W306-311			R92-0670-05	CHIP R 0 OHM	T	4
W308-311			R92-0670-05	CHIP R 0 OHM	YMIXGE	
W314			R92-0670-05	CHIP R 0 OHM	YMIX	2
W314			R92-0670-05	CHIP R 0 OHM	YMIX	4
W314,315			R92-0670-05	CHIP R 0 OHM		3
W314,315			R92-0670-05	CHIP R 0 OHM		5
W316			R92-0670-05	CHIP R 0 OHM		2
W316			R92-0670-05	CHIP R 0 OHM		4
W318			R92-0670-05	CHIP R 0 OHM		
W401-403			R92-0679-05	CHIP R 0 OHM	YMIXGE	
W401-407			R92-0679-05	CHIP R 0 OHM	T	2
W401-407			R92-0679-05	CHIP R 0 OHM	T	4
W405-407			R92-0679-05	CHIP R 0 OHM	YMIXGE	
S1	2G		S62-0034-05	SLIDE SWITCH	YMI	
S101-130	1E,1F		S40-1064-05	PUSH SWITCH		
S131	1E	*	T99-0566-05	ROTARY ENCODER		
S132	1F		T99-0562-15	ROTARY ENCODER		
D1 ,2			HSS104	DIODE		
D1 ,2			1SS133	DIODE		
D3			MTZJ5.1(B)	ZENER DIODE		
D3			RD5.1ES(B2)	ZENER DIODE		
D4			MTZJ8.2(B)	ZENER DIODE		
D4			RD8.2ES(B2)	ZENER DIODE		
D5			HSS104	DIODE		
D5			1SS133	DIODE		
D6			MTZJ3.3(B)	ZENER DIODE		
D6			RD3.3ES(B2)	ZENER DIODE		
D10			MA111	DIODE	T	2
D10			MA111	DIODE	T	4
D101-117			HSS104	DIODE		
D101-117			1SS133	DIODE		
D118			MTZJ5.1(B)	ZENER DIODE		
D118			RD5.1ES(B2)	ZENER DIODE		
D119			MTZJ5.6(B)	ZENER DIODE		
D119			RD5.6ES(B2)	ZENER DIODE		
D120-129			HSS104A	DIODE		
D120-129			1SS131	DIODE		
D130-137			HSS104	DIODE		

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NO.16

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
D130-137			1SS133	DIODE		
D138			HSS104A	DIODE		3
D138			1SS131	DIODE		3
D138-141			HSS104A	DIODE		5
D138-141			1SS131	DIODE		5
D139			HSS104A	DIODE		4
D139			1SS131	DIODE		4
D140,141			HSS104A	DIODE	YMI	2
D140,141			HSS104A	DIODE		3
D140,141			1SS131	DIODE	YMI	2
D140,141			1SS131	DIODE		3
D141			HSS104A	DIODE	YMI	4
D141			1SS131	DIODE	YMI	4
D144-147			MTZJ5.1(B)	ZENER DIODE		
D144-147			RD5.1ES(B2)	ZENER DIODE		
D161			HSS104A	DIODE	YMIX	
D161			1SS131	DIODE	YMIX	
D161,162			HSS104A	DIODE	GE	2
D161,162			HSS104A	DIODE	E	4
D161,162			1SS131	DIODE	GE	2
D161,162			1SS131	DIODE	E	4
D163			HSS104A	DIODE	YMI	
D163			1SS131	DIODE	YMI	
D164			HSS104A	DIODE	T	2
D164			HSS104A	DIODE	T	4
D164			1SS131	DIODE	T	2
D164			1SS131	DIODE	T	4
D165-170			HSS104	DIODE		
D165-170			1SS133	DIODE		
D300			MTZJ5.1(B)	ZENER DIODE		3
D300			MTZJ5.1(B)	ZENER DIODE		5
D300			RD5.1ES(B2)	ZENER DIODE		3
D300			RD5.1ES(B2)	ZENER DIODE		
ED1		*	BJ376GK	INDICATOR TUBE		
IC1			LA1836	ANALOGUE IC		
IC2			LC7218	IC(PLL FREQUENCY SYNTHESIZER)		
IC3			XRU4066BC	ANALOGUE IC		3
IC3			XRU4066BC	ANALOGUE IC		5
IC4			M65844P	DI BI-POLAR IC		3
IC4			M65844P	DI BI-POLAR IC		5
IC5			NJM4565L	IC(OP AMP X2)		3
IC5			NJM4565L	IC(OP AMP X2)		5
IC101		*	CXP82440A-123Q	MI-COM IC		
IC102			NJU3715L	MOS-IC		
IC103			PST9140-T	ANALOGUE IC		
IC104-106			NJM4565D	IC(OP AMP X2)		
Q1			2SC2714(R,O)	TRANSISTOR		
Q2			2SC1845(F,E)	TRANSISTOR		
Q3			2SC4081(R,S)	TRANSISTOR		
Q5			2SC4081(R,S)	TRANSISTOR		
Q6-8			2SA1576(R,S)	TRANSISTOR	T	2
Q6-8			2SA1576(R,S)	TRANSISTOR	T	4
Q7,8			2SA1576(R,S)	TRANSISTOR	YMIXGE	
Q10			2SA1175(F,E)	TRANSISTOR		
Q10			2SA933S(Q,R)	TRANSISTOR		

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PARTS LIST

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NO. 17

Ref. No.	Address	New Parts	Parts No.	Description			Destination	Remarks
Q11 ,12			2SC2878(B)	TRANSISTOR				
Q13 -15			2SC4081(R,S)	TRANSISTOR			T	2
Q13 -15			2SC4081(R,S)	TRANSISTOR			T	4
Q16 ,17			2SC1740S(Q,R)	TRANSISTOR			YMI	
Q16 ,17			2SC2785(F,E)	TRANSISTOR			YMI	
Q101,102			2SC1740S(Q,R)	TRANSISTOR				
Q101,102			2SC2785(F,E)	TRANSISTOR				
Q103-110			2SA1175(F,E)	TRANSISTOR			XTGE	2
Q103-110			2SA1175(F,E)	TRANSISTOR			XTE	4
Q103-110			2SA933S(Q,R)	TRANSISTOR			XTGE	2
Q103-110			2SA933S(Q,R)	TRANSISTOR			XTE	4
Q103-111			2SA1175(F,E)	TRANSISTOR			YMI	
Q103-111			2SA933S(Q,R)	TRANSISTOR			YMI	
Q112			DTC124ES	DIGITAL TRANSISTOR				
Q112			UN4212	TRANSISTOR				
A1			W02-1174-05	ELECTRIC CIRCUIT MODULE				
A2			W02-1190-05	FM FRONT-END ASSY				3
A2			W02-1190-05	FM FRONT-END ASSY				5
A2			W02-2509-05	FM FRONT-END ASSY			TGE	2
A2			W02-2509-05	FM FRONT-END ASSY			TE	4
A2			W02-2520-05	FM FRONT-END ASSY			YMIX	2
A2			W02-2520-05	FM FRONT-END ASSY			YMIX	4
MECHANISM UNIT (X28-2742-72)								
C1,2			CK45FB1H681K	CERAMIC	680PF	K		
C3,4			CE04L1V100M	ELECTRO	10UF	35WV		
C5,6			CK45FB1H391K	CERAMIC	390PF	K		
C7,8			CE04LW1C470M	ELECTRO	47UF	16WV		
C9,10			CQ93FMG1H153J	MYLAR	0.015UF	J		
C11,12			CK45FB1H222K	CERAMIC	2200PF	K		
C13-18			CC45FSL1H221J	CERAMIC	220PF	J		
C19,20			CK45FB1H681K	CERAMIC	680PF	K		
C21,22			CE04L1V100M	ELECTRO	10UF	35WV		
C23,24			CK45FB1H391K	CERAMIC	390PF	K		
C25,26			CE04LW1C470M	ELECTRO	47UF	16WV		
C27,28			CQ93FMG1H223J	MYLAR	0.022UF	J		
C29,30			CK45FB1H682K	CERAMIC	6800PF	K		
C31,32			CE04LW1HR47M	ELECTRO	0.47UF	50WV		
C33,34			CQ93FMG1H333J	MYLAR	0.033UF	J		
C35,36			CK45FB1H222K	CERAMIC	2200PF	K		
C37-40			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C41,42			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		
C43,44			CE04LW1H0R1M	ELECTRO	0.1UF	50WV		
C45,46			CE04L1V100M	ELECTRO	10UF	35WV		
C47,48			CE04LW1HR47M	ELECTRO	0.47UF	50WV		
C49,50			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C51,52			CE04LW1A101M	ELECTRO	100UF	10WV		
C53,54			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		
C101			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C102			CE04LW1C220M	ELECTRO	22UF	16WV		
C103			CE04LW1C101M	ELECTRO	100UF	16WV		
C104			CE04LW1H0R1M	ELECTRO	0.1UF	50WV		
C105			CQ93FMG1H103J	MYLAR	0.010UF	J		
C106			CK45FB2H471K	CERAMIC	470PF	K		
C107			CQ93HP2A822J	MYLAR	8200PF	J		

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NO. 18

Ref. No.	Address	New Parts	Parts No.	Description			Destination	Remarks
C109			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		
C110			CQ93FMG1H103J	MYLAR	0.010UF	J		
C111,112			CQ93FMG1H332J	MYLAR	3300PF	J		
C113			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		
C114,115			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C116,117			CE04LW1C101M	ELECTRO	100UF	16WV		
C118			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C119			CC45FSL1H271J	CERAMIC	270PF	J		
C120			CC45FSL1H271J	CERAMIC	270PF	J		
C121			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C122			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		
CN1			E40-3247-05	PIN ASSY				
CN2			E40-3249-05	PIN ASSY				
CN3,4			E40-4609-05	PIN ASSY				
CN5			E40-0512-05	PIN ASSY				
CN6			E40-4804-05	SOCKET FOR PIN ASSY				
L1-4			L40-1035-20	SMALL FIXED INDUCTOR(10MH,J)				
L5 ,6			L79-1201-05	LC FILTER				
L9			L32-0542-05	BIAS OSCILATING COIL				
R120			RD14NJ	RD	10	J 1/4W		
R165			RD14NB2E5R6J	RD	5.6	J 1/4W		
VR1,2			R12-0606-05	TRIMMING POT.(330)				
VR3,4			R12-0605-05	TRIMMING POT.(220)				
VR5,6			R12-5651-05	TRIMMING POK)				
VR52			R12-1619-05	TRIMMING POT.(4.7K)				
K1			S51-2089-05	MAGNETIC RELAY				
K1			S76-0018-05	MAGNETIC RELAY				
D1,2			HSS104	DIODE				
D1,2			1SS133	DIODE				
D4-6			HSS104	DIODE				
D4-6			1SS133	DIODE				
D7			RD2.7ES(B2)	ZENER DIODE				
D7			UZ-2.7BSB	ZENER DIODE				
D8			HSS104	DIODE				
D8			1SS133	DIODE				
IC1,2			TA8125S	IC(2CH PRE AMP)				
IC3			HA12182F	ANALOGUE IC				
IC5			BA10393	IC(DUAL COMPALATOR)				
IC6,7			BU4094BC	MOS-IC				
Q1,2			DTC124ES	DIGITAL TRANSISTOR				
Q1,2			UN4212	TRANSISTOR				
Q3,4			2SD1302(S,T)	TRANSISTOR				
Q3,4			2SD1450(S,T)	TRANSISTOR				
Q51			DTC124ES	DIGITAL TRANSISTOR				
Q51			UN4212	TRANSISTOR				
Q52			2SC1740S(Q,R)	TRANSISTOR				
Q52			2SC2785(F,E)	TRANSISTOR				
Q53			DTA124ES	DIGITAL TRANSISTOR				
Q53			UN4112	TRANSISTOR				
Q54,55			2SC1845(F,E)	TRANSISTOR				
Q56,57			2SC1740S(Q,R)	TRANSISTOR				
Q56,57			2SC2785(F,E)	TRANSISTOR				

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PARTS LIST

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NO. 19

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
Q58			2SC3940A(R,S)	TRANSISTOR		
Q59			2SC1740S(Q,R)	TRANSISTOR		
Q59			2SC2785(F,E)	TRANSISTOR		
Q60			2SA992(F,E)	TRANSISTOR		
Q61			DTC124ES	DIGITAL TRANSISTOR		
Q61			UN4212	TRANSISTOR		
Q63-65			2SC3246	TRANSISTOR		
401	2C,3D		A10-3174-08	HEAD CHASSIS		
403	1D,3E		A10-3240-08	CHSSIS OUTSART ASSY		
404	1D,2E		D01-0184-08	FLYWHEEL (LW) ASSY		
405	1E		D01-0185-08	FLYWHEEL (A) ASSY		
406	2F		D01-0186-08	FLYWHEEL (B) ASSY		
407	1C		D10-3468-08	INTER LOCK ARM (L)(A DECK)		
408	3F		D10-3469-08	INTER LOCK ARM (R)(B DECK)		
409	2D,3F		D10-3470-08	TRIGGER ARM		
410	2D,3F		D10-3471-08	HEAD CHANGE ARM		
412	1C		D10-3476-08	EJECT LEVER (L) (A DECK)		
413	3E		D10-3477-08	EJECT LEVER (R) (B DECK)		
414	2C,3D		D10-3478-08	SELET LEVER		
415	1D,2E		D10-3479-08	SHIFT LEVER		
416	2C,3D		D10-3480-08	C/R LEVER		
420	3C		D13-0981-08	ROTATION GEAR		
421	1C,2D		D13-1616-08	REW GEAR		
422	2C,2D		D13-1617-08	REEL GEAR		
423	1D,2F		D13-1618-08	IDLER GEAR		
424	3C,3D		D13-1621-08	RETURN GEAR		
425	1D,2E		D13-1622-08	CAM GEAR		
426	2D,3E		D14-0367-08	PINCH ARM (R) ASSY		
427	2C,3D		D14-0368-08	PINCH ARM (L) ASSY		
428	1D,2F		D15-0369-08	IDLER PULLEY		
429	2F		D16-0393-08	DRIVE BELT (BW)		
430	1E		D16-0392-08	DRIVE BELT (AW)		
431	1E		D15-0387-08	PULLEY (A)		
432	1E,2F		D16-0391-08	CLUTCH BELT		
433	2C,3D		D19-0270-18	REEL CAP (A)		
434	1C,1E		D19-0287-08	CLUTCH ARM ASSY		
439	1E,1F		E35-0396-08	15P FLAT RIBBON WIRE		
440	3C		E35-1242-08	3P HEAD WIRE ASSY (A DECK)		
441	3C		E35-1243-08	5P HEAD WIRE ASSY (B DECK)		
442	1F		E35-0986-08	MOTOR WIRE		
443	3C		G01-3790-08	EARTH SPRING (B)		
444	2D,3F		G01-3712-08	HEAD CHANGE ARM SP		
445	2C,3D		G01-3709-08	B.T SPRING		
446	1C,2D		G01-3710-08	SHIFT LEVER SP		
447	2D,3F		G01-3711-08	TRIGGER ARM SP		
448	2E,3D		G01-3720-08	HEAD RETURN PLAY SP		
449	1C,3F		G01-3713-08	EJECT SP		
450	2C,3D		G01-3714-08	C/R LEVER SP		
451	2C,3D		G01-3715-08	SELECT LEVER SP		
452	2C,3D		G01-3716-08	SHIFT SP		
453	3C,3D		G01-3718-08	INTER LOCK SP (L)		
454	3C,3D		G01-3718-08	RETURN SP		

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Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
455	3C,3D		G01-3719-08	FWD SP		
456	2D,3F		G01-3723-08	INTER LOCK SP (R)		
457	2C,3D		G01-3739-08	HEAD CHSSIS SP		
458	2D,3E		G01-3721-08	BRAKE SP (R)		
459	1C,2E		G01-3722-08	BRAKE SP (L)		
460	1C,2E		G01-3724-08	CLUTCH ARM SPRING (B)		
461	1D,2E		G01-3725-08	CLUTCH SP		
462	1C,2D		G02-0913-08	PACK SPRING		
463	3C		G02-1068-08	AZIMUTH SP (B)		
464	2C,3D		G02-1071-08	LIFT BKT		
465	3C		G11-2100-08	HEAD WIRE CLAMP		
466	1D,2F		G11-2205-08	TUBE		
467	2D,3E		G16-0791-08	REFLECT SEAL		
469	3C		J21-6184-08	HEAD PLATE ASSY		
470	1E,2F		J19-3652-08	CABLE HOLDER		
471	2C,3D		J21-6135-08	HEAD RETURN PLATE		
472	1D		J21-6307-08	BKT (B) ASSY		
473	2D		J21-6308-08	MECHA BKT		
474	2C,3D		J42-0183-08	REEL BUSH		
475	2D,3E		J69-0086-08	FILAMENT TAPE		
476	3C,3D		J39-0188-08	HEAD BASE		
477	2C,3D		J90-0832-08	SHIFT SPRING GUIDE		
AA			N19-1316-08	POLY WASHER		
AB			N19-1354-08	POLY WASHER		
AC			N19-1288-08	POLY WASHER		
AD			N19-1355-08	NYLON WASHER		
AE			N19-1385-08	POLY WASHER		
AF			N19-1386-08	POLY WASHER		
AG			N19-1387-08	TEFRON WASHER		
AH			N19-1388-08	POLY WASHER		
AK			N19-1035-08	POLY WASHER		
AL			N19-1396-08	POLY WASHER		
AM			N19-1384-08	POLY WASHER		
S			N09-1497-08	TAP TITE SCREW		
T			N09-2871-08	TAPPING SCREW		
U			N09-2876-08	HEAD SCREW (RVS)		
V			N09-3135-08	BIND TAP TITE SCREW		
W			N09-3195-08	TAP TITE SCREW		
Y			N09-2901-08	BIND TAP TITE SCREW		
Z			N09-3112-08	AZIMUTH SCREW		
480	1E,2F		S74-0033-08	REC SWITCH		
481	1E,2F		S74-0042-08	PLAY SWITCH		
484	1E,2F		T94-0233-08	SOLENOID ASSY		
485	1E,2F		T95-0125-08	PHOTO INTERRUPTER		
MM	2F		T42-0813-08	MOTOR ASSY		
PH	2C		T31-0066-08	PLAYBACK HEAD MK10P-AB215		
RPEH	3C		T31-0020-08	R/P ERASE HEAD YK56R-AA405		

L: Scandinavia **K**: USA **P**: Canada **2**: RX-29 **4**: RX-49
Y: PX(Far East, Hawaii) **T**: England **E**: Europe **3**: RX-39 **5**: RX-59
Y: AAFES(Europe) **X**: Australia **M**: Other Areas
I: Malaysia **R**: Mexico **G**: Germany

⚠ indicates safety critical components.

RX-29/39/49/59

PARTS LIST

RX-29/39/49/59

SPECIFICATIONS

Cassette receiver (RX-29) M-29/M-29M

Amplifier section

Rated power output
- .....66W+66W DIN(1kHz, 0.7 %. 8Ω)
- .....75W+75W RMS(1kHz, 5%, 8Ω)

Signal to noise ratio
- PHONO.....72dB(IHF'66)
- LINE.....83dB(IHF'66)
- (MD, AUX)

Input sensitivity / impedance
- LINE (MD, AUX).....150mV/47kΩ
- MIC.....1.5mV/47kΩ
- PHONO.....2.5mV/47kΩ

Output level / Impedance
- SUPER WOOFER PRE OUT.....2.0V/1kΩ

FM Tuner section

Tuning frequency range.....87.5MHz ~ 108MHz
Usable sensitivity(DIN at 75Ω)
- MONO.....1.2μV/13.2dBf

MW Tuner section

Tuning frequency range.....531kHz ~ 1,602kHz
Usable sensitivity.....12μV/(500μV/m)

LW Tuner section (U.K. only)

Tuning frequency range.....153kHz ~ 279kHz
Usable sensitivity.....22μV

Cassette receiver (RX-39)

Amplifier section

Rated power output
- .....80W+80W(1 kHz, 10%, 8Ω)

Signal to noise ratio
- PHONO.....72dB(IHF'66)
- LINE (VIDEO / MD, AV AUX).....83dB(IHF'66)

Input sensitivity / Impedance
- LINE (VIDEO / MD, AV AUX).....150mV/47kΩ
- MIC.....1.5mV/47kΩ
- PHONO.....2.5mV/47kΩ

Output level / Impedance
- SUPER WOOFER PRE OUT.....2.0V/1kΩ

Video section

Input level / Impedance
- VIDEO (composite).....1Vp-p/75Ω
  Input (VIDEO, AV AUX)

Output level / Impedance
- VIDEO (composite).....1Vp-p/75Ω
  Output(MONITOR, VIDEO)

FM Tuner section

Tuning frequency range.....87.5MHz~108MHz
Usable sensitivity (MONO at 75Ω).....1.2μV/13.2dBf

AM Tuner section

Tuning frequency range
- 9kHz step.....531kHz ~ 1,602kHz
- 10kHz step.....530kHz ~ 1,610kHz
- Usable sensitivity .....12μV/(500μV/m)

Cassette deck section

Track .....4-track. 2-channel stereo
Recording system .....AC bias system
(Frequency : 105kHz)

Heads
- A deck Playback head.....1
- B deck Playback, recording head.....1
- Erasing head.....1

Motors.....1
- Fast winding time .....Approx. 120 seconds
  (C-60 tape)

[General]

Power consumption.....170W
AC OUTLET
- UNSWITCHED.....100W MAX.

Dimensions.....W : 360mm(14-3/16")
H : 319mm(12-9/16")
D : 313mm(12-5/16")

Weight(net) .....8.5kg(18.7lb)

RX-29/39/49/59

SPECIFICATIONS

Cassette receiver (RX-49) M-49/M-49M

Amplifier section

Rated power output
- STEREO MODE
  - .....68W+68W DIN(1kHz, 0.7 %, 8Ω)
  - .....75W+75W RMS(1kHz, 5%, 8Ω)
- SURROUND MODE
  - CENTER.....22W RMS(1kHz,10%,8Ω)
  - REAR.....6W+6W RMS(1kHz,10%, 8Ω)

Signal to noise ratio
- PHONO.....72dB (IHF'66)
- LINE (VIDEO/MD, AV AUX).....83dB (IHF'66)

Input sensitivity / Impedance
- LINE(VIDEO/ MD, AV AUX).....150mV/47kΩ
- MIC.....1.5mV/47kΩ
- PHONO.....2.5mV/47kΩ

Output level/Impedance
- SUPER WOOFER PRE OUT.....2.0V/1kΩ

Video section

Input level / Impedance
- VIDEO (composite).....1Vp-p/75Ω Input (VIDEO, AV AUX)

Output level/Impedance
- VIDEO (composite).....1Vp-p/75Ω Output (MONITOR, VIDEO)

FM Tuner section

Tuning frequency range.....87.5 MHz ~ 108 MHz

Usable sensitivity (DIN at 75Ω)
- MONO.....1.2 μV/13.2dBf

MW Tuner section

Tuning frequency range .....531kHz ~1,602kHz

usable sensitivity .....12μV/ (500μV/ m)

LW Tuner section (U.K. only)

Tuning frequency range .....153kHz ~ 279kHz

Usable sensitivity.....22μV

Cassette deck section (M-49/M-49M/M-29/M-29M)

Track .....4-track, 2-channel stereo

Recording system .....AC bias system (frequency : 105kHz)

Heads
- A deck Playback head.....1
- B deck Playback / recording head.....1
- Erasing head 1

Motors.....1

Fast winding time .....Approx. 120 seconds (C-60 tape)

[General] RX-49 (M-49 / M-49M)

Power consumption.....170W

Dimensions .....W : 360mm(14-3/16")
H : 319mm(12-9/16")
D : 313mm(12-5/16")

Weight (net) .....9.2kg(20.2lb)

[General] RX-29 (M-29 / M-29M)

Power consumption.....170W

Dimensions .....W : 360mm(14-3/16")
H : 319mm(12-9/16")
D : 313mm(12-5/16")

Weight (net) .....8.4kg(18.5lb)

Cassette receiver (RX-59)

Amplifier section

Rated power output
.....80W+80W(1kHz, 10%, 8Ω)

Signal to noise ratio
- PHONO .....72dB(IHF'66)
- LINE(VIDEO / MD, AV AUX).....83dB(IHF'66)

Input sensitivity / Impedance
- LINE (VIDEO / MD, AV AUX).....150mV/47kΩ
- MIC 1.5mV/47kΩ
- PHONO.....2.5mV/47kΩ

Output level / Impedance
- SUPER WOOFER PRE OUT 2.0V/1kΩ

Video section

Input level / Impedance
- VIDEO (composite).....1Vp-p/75Ω Input (VIDEO, AV AUX)

Output level / Impedance
- VIDEO (composite).....1Vp-p/75Ω Output(MONITOR, VIDEO)

FM Tuner section

Tuning frequency range.....87.5MHz~108MHz

Usable sensitivity (MONO at 75Ω).....1.2μV/13.2dBf

AM Tuner section

Tuning frequency range
- 9kHz step.....531kHz ~ 1,602kHz
- 10kHz step.....530kHz ~ 1,610kHz
- Usable sensitivity .....12μV/(500μV/m)

Cassette deck section

Track .....4-track. 2-channel stereo

Recording system .....AC bias system (Frequency : 105kHz)

Heads
- A deck Playback head.....1
- B deck Playback, recording head.....1
- Erasing head 1

Motors.....1

Fast winding time .....Approx. 120 seconds (C-60 tape)

[General]

Power consumption.....170W

AC OUTLET
- UNSWITCHED.....100W MAX.

Dimensions .....W : 360mm(14-3/16")
H : 319mm(12-9/16")
D : 313mm(12-5/16")

Weight(net) .....8.6kg(18.9lb)

Note:

Component and circuity are subject to modification to insure best operation under differing local conditions. This manual is based on the U.S.A. (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

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